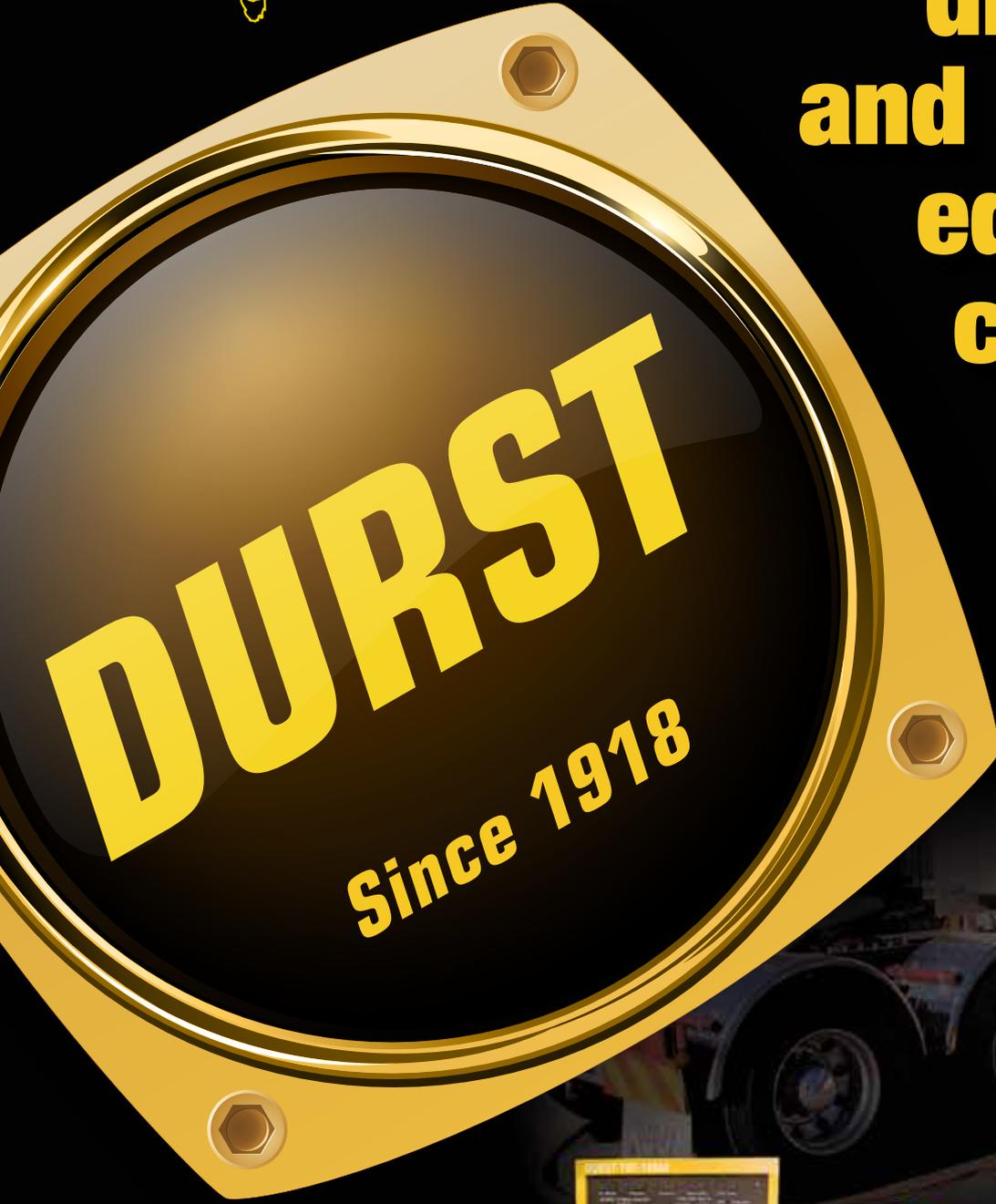




# automotive test diagnostic and charging equipment catalogue 2020



[durst.com.au](http://durst.com.au)



John Durst

In 1910 John Durst, a Swiss Electrical Engineer and inventor who served his apprenticeship with the well respected electrical company Brown Boveri, migrated to Australia. He established his own business designing and manufacturing in 1918 in Sydney.

John was responsible for some wonderful inventions for this era including:

- Rotary Converters specially designed for the fledging cinema industry. They were used for powering up high wattage incandescent lamps and charging batteries.
- Dynamotors for converting various currents and voltages from DC to DC and AC.
- Transformers from 1 Kva to 1000 Kva.
- Slide projecting machines that projected advertising pictures onto the sides of buildings from "8 feet to 100 feet". Since its inception the company has built up a reputation for reliability and innovation which has continued through three generations of the Durst family, the culture having been created by the first two generations. John's son Albert (also an inventive electrical engineer) was involved in the business from the early days and successfully built on his father's strong beginnings.



Albert Durst

Albert passed the baton to his sons John and Roger Durst. Today the company is known as Durst Industries Australia. It's still Australian owned and still manufactures in Australia. The company continues to be known in the trade for producing high-tech Diagnostic, Electrical Testing and Charging Equipment. Durst supply Australia-wide and export to over 20 countries.

Durst has a long history of providing equipment designed for performance, durability and economy, as evidenced by the current product range, covering Auto Electrical Test Benches, Ignition System Analysers, Battery Load Testers, Electronic Regulator Testers, Battery Chargers and Jump Starters for all industries, Load Banks as well as high performance Multimeters, Oscilloscopes and other Computer Safe Testers that are such an important addition to today's workshops.

To maintain the high standards set, Durst continually invest in the latest technology Their CAD CAM and CNC manufacturing facilities, together with an extensive R&D program, will ensure that they continue to manufacture well into the future.



John Durst and Roger Durst

**Australian Manufacturers of OH&S Compliant Equipment.**



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**TRADING TERMS**

Payments accepted by EFT, Visa or Mastercard.  
Accounts available upon request.



BJT-520B BIG MOTHER +

## Heavy Duty Mobile Jump Starters



### DURST SUPER DUTY MOBILE JUMP STARTERS

Durst were approached a few years back to build a jump starter that would be strong, reliable and be able to repeatedly start heavy vehicles, in this case a bus fleet, and would withstand punishment under the most trying of circumstances. Hence the BJT Series was born, and what outstanding successes these units have been and continue to be.

These unique Jump Starters are now the highest capacity units available on the market.

As the word has spread, we now supply these units to car and truck dealers, workshops, TAFE colleges, government and private bus fleets, other government departments, local councils, transport companies, mining and earthmoving companies, the military, aviation, the list goes on. Durst can supply you with a jump starter

to suit just about any application. If we don't have one off the shelf we'll make you one.

Why has the BJT series been so successful? Very simply, they work, and they keep working. When it has to go, our jump starters get the job done and then some.

Let's have a look at some of the features:

- Fully sealed, maintenance free, high quality AGM Batteries on all units for long trouble free life
- All units are fuse, anti-spike and reverse polarity protected
- Battery isolation switch with voltage selector and Indicator
- Pneumatic wheels on all trolley models
- All units are powder coated steel cased and made by Durst in Australia for long life under extreme conditions

- OH&S compliant
- Will jump start vehicles with dead flat batteries
- Can be used as a portable power supply
- No exposed connections or components to virtually eliminate any OH&S Risk
- Automatic switchmode battery charger supplied with every unit to recharge the pack
- Available in 12 volt only, 24 volt only or a combination of 12 and 24 volt or custom built voltages for Aviation use such as the 30 Volt BJT-300

Whether it is the lift and wheel BJT-4000 for light to medium use, the very popular BJT-200 for heavier applications or the mighty top of the line BJT-510B or BJT-520B, you will get real grunt from real jump starters at a value for money price, that's the Durst way of doing things. Just give us a call.

#### DURST MOBILE JUMP STARTERS

Durst Model BJT-	BJT-75 Dino	BJT-4000 Rhino T	BJT-101 Tiger	BJT-200 Scorpion	BJT-201 Scorpion 24	BJT-510B Big Mother	BJT-520B Big Mother +	BJT-300 Hornet
Volts 12	Y	Y	Y	Y		Y	Y	
Volts 24		Y		Y	Y	Y	Y	
Volts 30								Y
AGM Batteries	Y	Y	Y	Y	Y	Y	Y	Y
<b>Amps @ 12 Volts</b>								
Cranking Amps	900	720	1,960	1,960		3,600	5,400	
Cold Cranking Amps	785	680	1,600	1,600		3,200	4,800	
Peak Amps est	3,400	4,400	7,000	7,000		16,000	24,000	
<b>Amps @ 24 Volts</b>								
Cranking Amps		360		980	980	1,800	2,700	
Cold Cranking Amps		340		800	800	1,600	2,400	
Peak Amps est		2,200		3,500	3,500	8,000	12,000	
<b>Amps @ 30 Volts</b>								
Cranking Amps								980
Peak Amps est								12,800
Anti Spike	Y	Y	Y	Y	Y	Y	Y	Y
Fuse protection	Y	Y	Y	Y	Y	Y	Y	Y
Buzzer Reverse Connection	Y	Y	Y	Y	Y	Y	Y	Y
Charger Automatic Switch Mode	6 Amps 12V	4 Amps 24 V	10 Amps 12V	12 Amps 24 V	12 Amps 24 V	25 Amps 24 V	25 Amps 24 V	8 Amps 30 V
Cable Length Meters	1.8m	1.8m	2.0m	2.0m	2.0m	3.0m / 5.0m	3.0m & 5.0m	3.0m
Cable Size Primary	35mm <sup>2</sup>	35mm <sup>2</sup>	70mm <sup>2</sup>	70mm <sup>2</sup>	70mm <sup>2</sup>	95mm <sup>2</sup>	95mm <sup>2</sup>	70mm <sup>2</sup>
Cable Size Secondary						70mm <sup>2</sup>	70mm <sup>2</sup>	
Dimensions WxDxH cm	31x20x98	31x20x98	39x27x104	57x33x104	57x33x104	30x113x63	60x113x63	39x27x104
Weight Kgs.	34	34	57	57	57	260	320	63

Durst Jump Starter is better than 20 plastic units  
McM Motors



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# Super Duty Long Life Portable Jump Starters

If getting it going is the name of the game, then Durst have the range of Super Duty Long Life Portable Jump Starters that will get the job done without giving you grief.

Manufactured for Australian conditions by Durst, our jump starters are all steel cased and use the very latest technology in fully sealed AGM batteries to give maximum output well in excess of what the competition can offer.

Catering for either 12volt or 24volt systems or a combination of both, Durst Jump Starters are anti-spike and fuse protected as well as incorporating a reverse polarity warning buzzer so you can't go too far wrong.

The **BJC-2000** and **BJC-4012** are extensively used by car dealers and workshops alike. We then move up to the mighty and very popular **BJC-4000** that delivers a whopping 4000 Peak Amps at 12 volts and a very strong 2000 peak amps at 24 volts, all in a package that weighs less than 20Kg. If you would like a trolley version, see the **BJT-4000**.

The **BJC-4024** is a 24 volt only version of the BJC 4000 manufactured to cater for Industrial and Government applications. Durst have raised the bar even higher with the introduction of the **BJC-4800 TWIN PACK** that was created to meet the demands of 12 and 24 volt users where lightweight

(each pack is less than 15 Kg), high output units were required to get Heavy applications mobile. The only one of its type on the market and is very popular with mobile breakdown services where space is limited in the back of a work truck and real grunt is required to fix the problem.

What about re charging the pack you might say, Durst supply a fully automatic switchmode charger included in the price of every jump starter. These set and forget chargers plug into the rear of the jump pack and will keep the batteries at optimum charge levels. If you require re charging whilst driving along between jobs, Durst can provide as an optional extra, a DC-DC switchmode charger in either 12-12 volt or 12-24 volt and the necessary wiring harness to make it happen. Too Easy!

We mentioned Long Life, if a problem does arise, you are covered in the first instance by 12 months warranty and should any problems occur further down the track all of our units are fully repairable with all parts, including batteries, available from Durst.

The game of seeing how far you can throw the old plastic jump starter is over!

Get a real Jump Starter that will do the job, get it going and go the distance, get Durst!



Call us for custom built Jump Starters & repairs to all makes



## ANTI SPIKE & STANDARD JUMPER LEADS

Manufactured to your requirements using very flexible multi-strand insulated copper cable with fully insulated colour coded & shunted booster clamps. Ask us about Custom Printing your Company details on the Jumper Cables.



BA-MV008

DURST SUPER DUTY PORTABLE JUMP STARTERS								
Durst Model BJC-	BJC-2000 Wasp	BJC-4012 Rhino-12	BJC-4000 Rhino	BJC-4000AP Rhino-AP	BJC-4000MS Rhino-MS	BJC-4024 Rhino-24	BJC-4800 Hippo Twin	BJC-4038 Hippo-24
Volts 12	Y	Y	Y	Y	Y		Y	
Volts 24			Y	Y	Y	Y	Y	Y
	<b>Amps @ 12 Volts</b>							
Cold Cranking Amps	340	550	680	680	680		800	
Peak Amps	2,200	4,100	4,400	4,400	4,400		4,800	
	<b>Amps @ 24 Volts</b>							
Cold Cranking Amps			340	340	340	340	400	400
Peak Amps			2,200	2,200	2,200	2,200	2,400	2,400
Buzzer Reverse	Y	Y	Y	Y	Y	Y	Y	Y
Anti Spike	Y	Y	Y	Y	Y	Y	Y	Y
Fuse Protection	Y	Y	Y	Y	Y	Y	Y	Y
Charger Automatic Switch Mode	3 Amps 12V	6 Amps 12V	4 Amps 24V					
Cable Length	1.8 Mtr.	1.8 Mtr.	1.8 Mtr.	1.8 Mtr.	1.8 Mtr.	1.8 Mtr.	1.8 Mtr.	1.8 Mtr.
Cable Size	25.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>
Leads Anderson Plug				Y	Y			
Dimensions WxDxH cm	10x23x33	21x24x39						
Weight Kgs.	10	18.5	18.5	18.5	18.5	18.5	2 X 15.0	2 X 15.0

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www.durst.com.au



## DURST HYPER START POWERFUL - LIGHTWEIGHT RELIABLE - SAFE

The new Industry leading DURST HYPER START Jump pack is the lightest and most powerful jump pack available. Using industry leading supercapacitors, the HYPER START is not only HYPER powerful but HYPER safe to use in sub terrain environments. There is no risk of gassing, fire or explosion during charging or operation of the device.

The DURST HYPER START jump pack features 2000A CCA in 12V and 1000A in 24V. The unit features HYPER Charging to be charged up in a matter of minutes from various sources. This Jump pack can even operate without prior charging, simply connect jumper leads to vehicle battery, wait a few minutes for the capacity meter to reach max and start the engine.

The HYPER START features a classic DURST YELLOW metal enclosure finished with a carbon fibre front instrument panel with 12/24V switch and capacity meter with Anderson Plug connections for both JUMP and CHARGE.

Weighing in at only 7KG and with the near infinite life of the Supercapacitors makes this not only the lightest in its class but the most powerful, dependable and long lasting Jump pack available.

The DURST HYPER START operates like no other Jump pack on the market, it is ultra-resistant to bumps and knocks and Designed and Built DURST Tuff in Australia for Australian conditions.



BJC-8300F-SC

### SPECIFICATIONS

- VOLTAGE: 12V / 24V
- COLD CRANKING AMPS: 2000A
- CHARGE: ULTRA FAST 12 /24
- FUSE PROTECTION: YES
- CAPACITY METER: YES
- ANTI SPIKE: YES
- BUZZER REVERSE: YES
- ANDERSON PLUG LEADS: YES
- DIMENSIONS: 21 X 24 X 39
- WEIGHT: 7KG
- LIFESPAN: 10,000,000 STARTS

## Smart Personal Jump Starter

### PORTABLE JUMP STARTER WITH WIRELESS CHARGING

BJS-A38 Smart Personal Jump starter  
Portable 12V Jump Starter

#### Features: Wireless charging.

Designed for Car / Light Commercial vehicles.

#### Features:

- 2 USB ports,
- Charge For Mobile Phone, PSP, MP3/MP4/MP5, Camera, PDA

#### Accessories:

- 1 12V car jump starter
- Handy storage / carry case
- 1 Car charger
- 1 Home Adaptor
- 4 USB cable
- 1 Product manual
- 1 Smart clamp
- 1 manual

#### Specifications:

- Model: BJS-A38
- Capacity: 44.4Wh
- Peak Current: 850-900Amps
- Type-C Input: 9V/2A
- USB1 Output: 5V/2.1A

- USB2 Output: 9V/2A
- Battery type: Lithium Polymer battery
- Material: Pure LiCoO2
- Input: 15V/1A
- Output: Car Jump Starter:12V
- Laptop Charging Port: 12V/16V/19V
- USB Port: 5V/2.1A
- Starting Current: 425A
- Operating Temperature Range: -20° to 60°
- Fully Charge time: Around 4-5hrs
- Size:48x89x193mm
- Weight: 560g



BJS-A38





# Workshop Battery Chargers & Power Supplies

## DURST BCD WORKSHOP RANGE OF BATTERY CHARGERS

**Charge Batteries in Vehicle without damage to ECU or other Electronic Components (Even Calcium Batteries!)**

Utilising the many features, simplicity and quality of the Durst BCS Range noted previously, Durst have taken it a step further and enclosed these models in a protective powder coated steel case for workshop use that is conveniently fitted with a carry handle, rubber feet, cables and insulated clamps.

The BCD Range maintains FULL BATTERY VOLTAGE whilst the Technician is working on the vehicle or downloading data so there are no missed readings from scanners or other associated diagnostic equipment. Just ask Audi, Mercedes Benz, Land Rover, Porsche, Ford, GMH, BMW, Toyota etc throughout Australia and New Zealand.

Available in 12 volt (15, 25, 50, 80 Amp) or 24, 36 & 48 volt (15, 25 & 48 Amp) versions, the BCD range is available in single, dual or triple channel versions, depending on the model. Multiple channel versions come with a lead set for each channel. As with the BCS range, remote control panel and a battery temperature sensor are available as options.

The uses and applications for these premium chargers are endless (see chart on this page).



## BCSW Wall Mount

Durst BCSW models range from 12V 15Amp, 12V 25Amp, 12V 45Amp, 12V 60Amp, 12V 80Amp, 24V 15Amp, 24V 25Amp or 24V 40Amp. Other models available on application.

These charging systems were developed to suit a wide variety of charging applications such as emergency vehicles that don't have the alternator capacity to fully charge batteries during jobs. Just plug the vehicle in to your Durst BCSW wall mount charging system back at the station to charge efficiently and quickly every time. Ideal for all Ambulance, Fire Vehicles, Stand-by Vehicles, Battery Charging Rooms, Workshop Hoist Applications, Mine Sites etc. Various charging plugs to suit your application, just call us for advice to suit.

Durst Model BCD-	BCD-1215	BCD-1225	BCD-1225B	BCD-1250	BCD-1250B	BCD-1250C	BCD-1260	BCD-1260B	BCD-1260C	BCD-1280	BCD-1280B	BCD-2415	BCD-2425	BCD-2425B	BCD-2440	BCD-2440B
Output Current Max	12	12	12	12	12	12	12	12	12	12	12	24	24	24	24	24
Charging Voltage Bulk	13.8 - 14.4 - 14.8 VDC to suit GEL AGM Flooded Calcium											27.6 / 28.8 / 29.6 VDC to suit GEL AGM Flooded Calcium				
Float Charge	13.2 - 13.8 - 14.2 VDC to suit GEL AGM Flooded Calcium											26.4 / 27.6 / 28.4 VDC to suit GEL AGM Flooded Calcium				
Input Voltage	170 - 270 VAC 50 - 60 Hz															
Line / Load Regulation	0.1 % @ input voltage range / 1.5 % @ output current: No Load to full Load. Over 85% Efficiency															
Over Charging Protection	Yes with current limiting															
Battery Connection	Heavy Terminal Blocks (cables to order)															
Number of Channels	1 +1 Aux	1	2	1	2	3	1	2	3	1	2	1	1	2	1	2
Charge Current Main Amps	15	25	25	50	50	50	60	60	60	80	80	15	25	25	40	40
Charge Current 1-2 Amp Aux.	1	2	2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Overload Protected	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Reverse Polarity Protect	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Battery Size Ahr.	50Ah - 150Ah	60Ah - 300Ah	60Ah - 300Ah	120Ah-500Ah	50Ah - 200Ah	60Ah - 300Ah	60Ah - 300Ah	120Ah-500Ah	120Ah-500Ah							
Weight Kgs.	3.8	6.3	7	8.3	9	9.7	9.8	9.8	9.8	9.8	9.8	6.3	8.3	9	9	9
Dimensions WxDxH cm	27x24x15	31x29x17	31x29x17	31x29x17	31x29x17	31x29x19	31x29x19	31x29x19	31x29x19	31x29x19	31x29x19	36x29x19	36x29x19	31x29x17	31x29x19	36x29x19



## Industrial Workshop Battery Chargers

Are you in the market for an Australian Made High Output Battery Charger that will also jump start a vehicle?... Then look no further, Durst will have a charger to suit your application, if not, we will make it for you!

When it comes to chargers or any other of our products, our uncompromising reputation for strength, quality and durability speaks for itself. Just ask any of our customers from Local Councils, Government Departments, the Mines, Earthmoving and Heavy Vehicle Workshops, the Military and Fleet owners to mention a few.

Durst are the market leaders in Industrial and Automotive Battery Chargers with voltage ranges including 6, 12, 18, 24 and 36 volts and amperage outputs from 10 amps to the peak performing BC-6100T with an extraordinary 100 amps at both 12 and 24 volts!

To accommodate the very wide cross section of applications in the marketplace Durst have developed ranges that will suit just about any requirement. All chargers have Operating Instructions on the front panels, easy to read meters, fully protected transformers, re-settable overloads and reverse polarity warning lights.

**BC-430 Series** – Exceptional General purpose 40 Amp Industrial charger that comes in either carry version or trolley version (same specs). Voltage ranges include 6, 12, 18, 24 and 36 volt and provides up to 400 Amp Boost start capacity to enable Jump Starting a vehicle. Full powder coated steel construction with Heavy Duty Transformer, wiring, cables and switches to withstand the roughest treatment and live a long trouble free life. **Defence Stock Number NSN-6130-66-085-8304.**

**BC-6100 Series** – Only available in trolley version but what a package! This Market Leader has 12 and 24 volt settings with maximum continuous output of 100 Amps at 12 volt and 100 Amps at 24 volts, not to mention a massive 1200 Amp boost start capacity!

The unique transformer design of the 6100 allows for this higher output to meet and exceed the demanding requirements of the Heavy Vehicle, Earthmoving and Mining Industries, or any other application where high charge rates are required and time is of the essence.

Whatever you would like in a Battery Charger, Durst will generally be able to supply you ex stock from our Sydney factory.





BC-460



BC-430

**BC-460 Series** – A step up on the BC-430, the BC-460 has 80 amp output with 6, 12 and 24 volt settings. The 460 utilises the same robust components that the BC-430 uses and is also available in carry or trolley versions. Jump Start capacity to 600 Amps if you need to get it going in a hurry. **BC-430 Defence Stock Number NSN-6130-66-085-83045. BC-460 Defence Stock Number NSN-6130-66-148-6825**



BC-325-12



BC-325-24

## General Purpose Battery Chargers

**BC-1612 (6 & 12V - 16A)**  
**BC-1624 (12 & 24V - 16A)**

Steel case with carry handle and rubber buffers, fuse protected. Polarity LED indicator. Max current 16 amps with high/low switching.



### BC-325 SERIES 6, 12, 24, 36 VOLT COMPACT BOOST START CHARGERS

The ideal workshop charger for any application, automotive, marine, aviation, the farm, whatever. The uses for this popular range of chargers are endless. Available in either trolley or carry versions, the robust powder coated steel construction is manufactured by Durst in Australia for Australian conditions no matter where you are.

Available in 6, 12, 24, or 36 volts, or a combination of 6/12 and 12/24 volts, the 325's unique transformer is designed to give up to a full 25 Amps charging at any of the nominated charging voltages, plus a jump start capacity of 350 Amps as well!

Every 325 Series charger has the same features as its bigger brothers, such as easy to read ammeter, strong 4 position rotary amp switch, reverse polarity warning light, heavy duty wiring, cables and a re-settable overload button.



**BC-1012 (6 & 12V - 10A)**

10 amp charger, steel case with handle and rubber buffers. fuse protected, large easy to read meter. Polarity LED indicator.

DURST GENERAL PURPOSE BATTERY CHARGERS			
Durst Model BC-	BC-1624	BC-1612	BC-1012
Amps Int.	16	16	10
Amps Cont.	16	16	10
6 Volts	NA	16	10
12 Volts	16	16	10
24 Volts	8	NA	NA
Dimensions WxDxH cm	26x15x15	26x15x15	17x15x15
Weight Kgs.	8	8	6

DURST INDUSTRIAL WORKSHOP BATTERY CHARGERS										
Durst Model BC-	BC-6100T	BC-460T	BC-460	BC-430T	BC-430	BC-325-36T	BC-325-24T	BC-325-24	BC-325-12T	BC-325-12
Jump Start Amps	1200	600	600	400	400	350	350	350	300	300
Peak Est.	12000	9600	9600	6400	6400	5600	5600	5600	4800	4800
Amps int.	100	80	80	40	40	30	30	30	30	30
Amps Cont.	100	60	60	30	30	25	25	25	25	25
6 Volts	NA	60	60	30	30	NA	NA	NA	NA	NA
12 Volts	100	60	60	30	30	25	25	25	25	25
24 Volts	100	30	30	15	15	25	25	25	NA	NA
36 Volts	NA	NA	NA	10	10	25	NA	NA	NA	NA
Dimensions WxDxH cm	57x33x104	40x50x102	26x37x37	40x50x102	26x37x37	38x30x95	38x30x95	30x20x25	38x30x95	30x20x25
Weight Kgs.	38	32	25	29	22	24	22	15	18	11



BCS-A1206



BCS-A1210

## SmartChargers

### DURST BCS-A RANGE OF BATTERY CHARGERS

Big on Quality and Reliability but not on price, that's the Durst BCS-A Range.

Complimenting our Higher Amperage BCS Range, the compact, lightweight BCS-A range puts out honest amperage figures in a robust package. Made from extruded aluminium, (no plastic here), the BCS-A range of chargers are fully automatic, set and forget units that will punch way above their weight.

Utilising SwitchMode technology and fitted with thermostatically controlled cooling fans, these units show remarkable reliability and will operate for hours on end without missing a beat. Available in 12 volt (3, 6, 10 and 20 Amp) and 24 volt (4, 7, and 12 Amp) the compact design is ideal

where space is at a premium.

Designed to charge any type of battery, including Gel, Wet Cell, Calcium or AGM, the BCS-A Range will adapt to just about any situation or application that you can come up with and save you money at the same time. As we say, just set and forget!

Available with optional plug to suit mobility scooters, wheel chairs etc.



BCS-A1230



BCS-A1225

DURST BCS-A SERIES IUOU AUTOMATIC SMART CHARGERS										
Durst Model BCS-A	BCS-A0610	BCS-A0620	BCS-A1203	BCS-A1204 Gel Tech	BCS-A1206 BCS-A2404	BCS-A1210	BCS-A1216	BCS-A1220 BCS-A2412	BCS-A1225	BCS-A1230
Meter/Indicator	LED	LED / LCD	LED Indicators				LCD & LED Indicators			
Input Voltage AC	AC 100 ~ 240 Volts						AC 200 ~ 240 Vac			
Frequency	47-63HZ									
Output Boost Volts	7.7	7.7	14.4	14.1	14.7 / 28.8	14.7 / 28.8	14.7	14.7/29.4		
Float Volts	6.9	6.9	13.7 / 27.4							
Current 6 V	10	20								
Current 12 V			3	4	6	10	16	20	25 Dual	30 Dual
Current 24 V					4			12		
Wattage at 6 / 12V	88 W	147 W	44 W	58 W	88 W	147 W	235 W	294 W	367 W	441 W
Wattage at 24V					117 W			353 W		
Efficiency	> 87% ( At Full Load ) reduces power consumption									
Reverse Polarity Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Short-Circuit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overload	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cooling Fan	Fan Speed Control set by Charging Stage									
Battery Size Ahr.	30-150	60-300	18-36	16-40	18-60 / 16-40	36-120	50-150	60-300 / 40-150	60-300	70-350
Dimensions WxDxH cm	15.5x7x4.8	16.7x10.3x5	15.5x7.0x4.8		16.7x10.3x5		19x11.8x5.8		22.5x7x15.2	22.5x7x15.2
Weight Kgs.	0.9	0.9	0.5		0.9		1.2		2.1	2.3



# SwitchMode Chargers

## DURST FULLY AUTOMATIC PREMIUM SWITCHMODE BATTERY CHARGERS

### SOLVE BATTERY PROBLEMS, JUST "SET AND FORGET"

Set and Forget you say?, Absolutely, Durst SwitchMode Battery Chargers are micro processor controlled to vary the charge rate in three stages from what is known as the Bulk Rate (about 60 – 70% charged) down to the Absorption Rate (almost fully charged) then finally the Float Mode (minimal charge rate) that will maintain the battery in a full state of charge and maximise battery life. Should the level of charge decrease, the charger will automatically increase to compensate thereby maintaining full battery charge. We did say automatic and we did say Set and Forget, it is that simple.

The user friendly LED, as fitted to all models, will tell you which mode the charger is in and therefore at what stage of charge the battery is in. Available in either 12, 24, 36 and 48 volt and in either single or multiple channels (charge more than one battery at a time), the Durst Range of quality SwitchMode chargers will cater for whatever type of battery you are charging whether it is Gel, Wet Cell, Calcium, or AGM.

If your application is Automotive, Marine, Mobile Home or Caravan, Mobility Appliances, Industrial or Commercial Applications, Solar, Deep Cycle, UPS Standby, it doesn't matter; there is a quality Durst Switchmode charger that will suit your requirements irrespective of what they might be.

Make life a little less complicated and take the grief out of maintaining batteries. It may cost you a lot less than you think. Take a look at what's on offer.

### DURST BCS RANGE OF FULLY AUTOMATIC BATTERY CHARGERS

With the Durst BCS Range of SwitchMode chargers you will receive the highest level of quality and performance that you would expect from a Durst product. Available in 12 volt (15, 25, 45 Amp), 24 volt (15 and 25 Amp), 36 volt (20 Amp) and 48 volt (20 Amp) versions, the BCS range is available in single, dual or triple channel versions, depending on the model, and are recommended for batteries from 50 to 800 Ampere Hour Rating.

Complimenting these chargers are accessories such as remote controls and temperature sensors that make the Durst BCS range ideal for permanent installations such as Marine and Industrial situations where access to the charger and/or batteries may be limited.

Adjustable voltage and timer settings noted in the enclosed instruction book make the BCS range suitable for charging any type of battery.

**BCS-2425B Defence Stock Number NSN-6130-66-157-1101**

#### FEATURES OF THE BCS RANGE

- Fully Automatic SwitchMode Operation, Fast, Safe, Efficient and Economical to run
- Input Voltage 170 – 270 Volts AC @ 50Hz
- Overcharge and Short Circuit protection
- Spike and Surge Suppression
- Insulated Output Terminals to prevent accidental contact
- Australian Electrical Standard and EMC Compliant
- Can be used as a DC Power Supply
- Optional Remote Control and Temperature Sensor
- Half Power Silent Sleep Mode

#### PREMIUM AUTOMOTIVE CHARGING LEADS

Premium Automotive Dealer showroom/ workshop charger leads are manufactured from high grade silicon copper multi-strand core. These leads feature a built in replaceable fuse and safety disconnect system protecting users and equipment from potential hazards when in use. Standard with screw terminal & Anderson plug which will connect to any brand charger. The leads are available in 2.5M Length with custom sizing available. Finished off in a high strength braided sleeve for maximum protection and longevity.



BCS-1225C



BCS-1215B



BCS-1245C

BCS-R10  
OPTIONAL  
REMOTE  
CONTROL  
PANEL

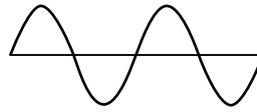


Premium Automotive Charging Leads

DURST BCS SWITCH MODE CHARGERS 12, 24, 36 & 48 VOLT CALCIUM GEL AGM MF FLOODED BATTERIES											
Durst Model BCS-	BCS-1215B	BCS-1225C	BCS-1245C	BCS-1260C	BCS-1280B	BCS-2415B	BCS-2425B	BCS-2440B	BCS-3625	BCS-4820	
Output Current Max	15	25	45	60	80	15	25	40	25	20	
Charging Voltage Bulk	13.8 - 14.4 - 14.8 VDC to suit GEL AGM Flooded Calcium						27.6-28.8-29.6		43.2/44.4		57.6/59.2
Float Charge	13.2 - 13.8 - 14.2 VDC to suit GEL AGM Flooded Calcium						26.4-27.6-28.4		41.4		55.2
Input Voltage	170 ~ 270 VAC 50 -60 Hz									207-253VAC 50-60Hz	
Line/Load Regulation	0.1 % @ input voltage range / 1.5 % @ output current: No Load to full Load. Over 85% Efficiency										
Over Charging Protection	Yes with current limiting										
Battery Connection	Heavy Terminal Blocks (cables to order)										
Number of Channels	1 +1 Aux	2 +1 Aux	3	3	2	2	2	2	2	2	
Charge Current Main	15	25	45	60	80	15	25	40	25	20	
Charge Current Aux	1	2									
Overload Protected	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Reverse Polarity Protect	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Battery Size Ahr.	50Ah - 150Ah	60Ah - 300Ah	120Ah - 500Ah	180Ah - 600Ah	200Ah - 700Ah	50Ah - 200Ah	60Ah - 300Ah	120Ah - 500Ah	300Ah	250Ah	
Dimensions WxDxH cm	23x20x6	29x24x8	32x25x11	32x25x11	36x25x11	29x24x8	32x25x11	36x25x11	23x11x38	23x11x38	
Weight Kgs.	2.4	3.5	5	5.1	6.1	3.5	5	6.1	6.05	6.05	



## AC INVERTERS



### DURST PURE SINE WAVE DC/AC INVERTERS

Durst Industrial Inverters range from 300watt up to 2000 Watts (other capacities available on request) and provide extremely stable and reliable clean power for mobile and permanent installations. Highly recommended for products with sensitive electronics, timers or motor powered devices. Features include switching mode design, high

efficiency, low harmonic distortion, pure sine wave output voltage, GFCI built-in for 1500W/200W and 12 or 24 VDC input and 115 or 230 VAC output. LED indicators for power, over load protection and over temperature protection. The units also have protection for input low voltage and input over voltage as well as a low battery alarm and short circuit protection. They are

light weight with solid extruded Aluminium case which acts as heat sink.

Applications include home electronics and appliances, battery chargers for camcorder, laptops, mobile phones etc. Ideal for Ambulances and emergency vehicles, camping, boating, caravans, mobile food or coffee vans and mobile field work.



INV-121500



INV-12600



INV-122000



INV-122000



BCS-R10

#### DURST PURE SINE WAVE INVERTERS

Durst Model INV-	INV-12300	INV-12600	INV-121000	INV-121500	INV-122000	INV-24300	INV-242000
Rated Input Voltage	12V DC	24V DC	12V DC	12V DC	12V DC	24V DC	24V DC
Constant Output Power	300W	600 W	1000W	1500 W	2000W	300W	2000W
Peak Output Power (a max. of 10 min.)	500W (350W)	1000 W (650 W)	2000 W (1200 W)	3000 W (1800 W)	4000W (2200W)	500W (350W)	4000W (2200W)
Maximum Input Current	40 A	70 A	125 A	188 A	250 A	20 A	125 A
Output Voltage 240VAC	240VAC +/- 3%						
Output Frequency	50 Hz						
Consumption 240VAC	<0.8A	<0.6A	<1.2A	<1.6A	<1.6A	<1A	<1A
Input Voltage Range	10.7V - 16.5V	21.4V - 33V	10.7V -16.5V	10.7V - 16.5V	10.7V - 16.5V	21.4V - 33V	21.4V - 33V
Low Voltage Alarm	10.7V	21.4V	10.7V	10.7V	10.7V	21.4V	21.4V
Low Voltage Shutdown	10V	20V	10V	10V	10V	20V	20V
Efficiency Up To	85%						
Dimensions WxDxH cm	21x14.6x6	28x23.6x8.3	39.5x23.6x8.3	41.5x28.3x10	41.5x28.3x10	21x14.6x6	41.5x28.3x10
Weight Kgs.	1.46	2.46	4	5.75	5.9	1.46	5.9



## Batteries - Marine and Deep Cycle

Durst have the battery chargers to suit your application so what about the batteries?

Customers come to Durst with many and varied problems relating to RV's, Boats, Caravans, Camping and 4WD's etc that are usually a result of having purchased batteries that are not suitable for the type of application and a charger that is also probably incorrect. This can result in under charging, flat batteries, battery sulphation and reduced cycle time. The problems go on and all add up to one unhappy camper with a bit of a hole in the pocket.

Have you considered the type of battery you require, Gel, AGM or Flooded? Then do you require Maintenance Free, Deep Cycle etc and

in what size? Is the charger I have going to be compatible with these types of batteries and is it going to be of sufficient capacity so I can leave the Caravan Park in the morning or have to wait all day for the battery to be charged? As you can see it is not so simple.

Why don't you call on our vast experience and let us supply you with a total package of battery/s and charger that are fully compatible with each other and give you the type of outcome and performance that you were looking for in the first place.

Before you part with your hard earned, why not give us a call. Eliminate at least one of the problems before you start.

## Anderson Plugs

Durst can supply a full range of quality Anderson and SBX Plugs to suit any application.

Available in all colours to suit the ISO Standards for Voltage with various size contacts available depending on the wire being used. Please specify cable size when ordering. Replacement contacts are also available should changes or repairs be required further down the track.

Durst also manufacture leads to your specification and larger leads can be branded with your company name, please give us a call for further details.

## Gang Chargers

*We use our Durst Charger 24 hours a day 6 days a week - Brilliant!*

*ED. CYB QLD*



### BC-1696 DUAL CHANNEL INDUSTRIAL GANG CHARGER

Top of the range battery charger designed to suit the battery service industry. Fuse Protected. Large, easy to read 10 amp meters. Designed for continuous use. Fan ventilated. Illuminated rocker switches. Working range 6-96 volts. Variable charge current with 99 variations from coarse to fine charging. Twin heavy duty copper-wound separately switched transformers.

### BC-1696C CALCIUM BATTERY CHARGER DUAL CHANNEL INDUSTRIAL GANG CHARGER

Manufactured by Durst in Australia for Battery Suppliers and Manufacturers, the BC-1696C is designed to charge the all new Hybrid Calcium Batteries with single negative plate calcium, dual plate calcium and silver calcium.

With all of the strength and features of the BC-1696 mentioned above, the BC-1696C will maintain battery stocks at optimal charge voltage and peak condition so that there is little chance of costly and time consuming warranty problems after the battery has been shipped to the customer.

Replacement leads LS-210.



### BC-308-72 GANG CHARGER

Single channel charger, fuse protected, easy to read amp meter. Fan ventilated, illuminated rocker switches. Working range 12-72 volts, 8 amps continuous, variable current via 11 position rotary switch. This is virtually 50% capacity of BC-1696 model.



## DURST SOLAR CASE

### DRSC-12500-PV

### 500Wh Industrial Grade Solar Personal Power Bank

#### FEATURES

#### INTEGRATED PV | 500WH LIFEPO4 | 14 OUTPUTS

The Durst Solar Case is a compact high power personal power bank designed to be used reliably in remote locations. The Durst Solar Case has a built in 500Wh Lithium battery and integrated Solar Panel trickle charger. The unit can be charged by the Internal PV's with the option to connect an external flexi PV array for increased power and charging time. The unit can also be charged from other 12V sources.

The Durst Solar Case features Tri Channel outputs with a combination of USB, 12V and Anderson connections which can be used concurrently as each port is fused independently. An integrated LCD battery capacity meter indicates live status of battery charge controlled by a Victron MPPT. Internally there is storage for cables, leads, external lights, etc. all housed in a rugged water and dust proof case.

#### WHOS IT FOR?

#### REMOTE EMERGENCY | CONSTRUCTION SITES | MINING

The Durst Solar Case can be used to directly power all 12V equipment like lights, medical devices, phones, laptops, tablets, Fans, Pumps, compressors, etc. USB ports support both 5V and 18V can be used to directly power or charge devices.



DRSC- 12500-PC

#### SPECIFICATIONS

- 1400 Size Water/Dust Proof Rugged Case
- 500Wh LiFeP04 Battery
- 10W Internal PV/Victron MPPT
- Battery Capacity Meter
- External Charger/PV Input
- Switched/Fused Outputs
- USB Ports, 12V DC Outputs
- 2 X DIN Socket

## Programming Power Supplies

### durst programming power supply solutions

#### SOLVING VOLTAGE DROP WHILE DIAGNOSING & PROGRAMMING VEHICLES

#### PREVENTS THE LOSS OF VALUABLE ECU DATA

#### SAVES TIME & MONEY

The Durst Automotive Programming Power Supply maintains FULL BATTERY VOLTAGE without harming the sophisticated electronics when technicians are working on the vehicle during long programming and test procedures.

The Durst Programming Power Supply was developed for the Automotive market after Durst discovered workshops were losing valuable time and money during Up and Downloading data to the ECU and general Diagnostic Testing.

With the ever increasing range of more expensive, new technology batteries that are connected with the ECU and main processor units. And some data transfers taking up to 9 hours to load, any failure such as voltage and current spikes are catastrophic to vehicle electronics.

Cheap battery chargers and basic power supplies are totally unsuitable for this dedicated application, as sensitive electronics in the ECU are easily destroyed by incorrect voltage & current.

#### CONSTANT CLEAN VOLTAGE IS CRITICAL

Precise AC switching and programmable voltage control of the DURST PPS series of Programming Power Supplies has now become an Industry Standard as supplied by Ford, GMH, Mercedes, Range Rover, Porsche, Audi and Toyota etc. throughout Australia and NZ.

There are three models available:

PPS-1270 (70Amp)  
PPS-12100 (100Amp)  
PPS-12130 (130Amp)



#### DURST PPS FEATURES:

- Fully Automatic Fast & Safe
- Protects your ECU & main processor unit from Data loss
- Prevents Battery Failure
- High Efficiency Electronic AC Switching Transistors
- Highly Efficient (over 85%)
- Fully Automatic to suit all Batteries & ECU Applications
- Input Voltage 240 Volts AC 50 Hz
- Over Current Protection
- Over Voltage Protected
- Short Circuit Fuse Protection
- Temperature Compensated
- Spike & Surge Suppression
- Heavy Duty Leads & Insulated Battery Clamps
- Reverse Lead Protection with Piezo Buzzer Warning
- Comfortable Lifting handle, Rubber Buffers & Cable Winders
- Large LED Volt Meter
- AC Switching, Switch Mode Design
- Automatic Voltage Sensing Controls Current
- Eliminates Voltage Drop
- User Friendly Compact & Light Weight
- Suitable for Bench Testing & Servicing ECU units
- Australian Electrical Standard & EMC Compliant

The Durst Programming Power Supply suits all types of batteries:  
Gel-AGM (Maintenance Free)  
Flooded (Wet) Lead Calcium-Lead Acid-VRLA Deep Cycle etc



# Load Banks (off the shelf or custom built)

Durst Industries manufacture a range of portable high quality high capacity load banks to suit many and varied applications. If we can't supply you with a unit off the shelf that will suit your needs, we will simply build you one.

Ideal mobile test units for UPS systems, GPU, Solar Power Systems, large battery banks or Defence applications. Available in nominal voltages of 6, 8, 12, 24, 32, 36, 48, 72 or 108 with other voltages available upon request. All units are made from powder coated steel and all are fan cooled with multiple switching arrangements that give total flexibility in either small or large increments.

When you look across the range there are a number of quality features including:

- Dual Sprung Analogue meters on smaller models
- Digital readout on larger models
- Can be either AC or DC powered depending on size (Refer to description)
- High temperature silicon insulation used on internal wiring
- Made by Durst in Australia for Australian conditions and Climate
- 100% Duty Cycle
- Rotary Cam Switches
- Quality Anderson Plugs and Sockets used
- 250mm Diameter pneumatic tyres for easy manoeuvrability
- Heavy Duty Terminals for Amp Leads
- Fully Insulated colour coded clamps
- Auxilliary Volt and Amp Terminals for attachment of Data Logger
- More load capacity and quality value for your dollar

### LB-70

Portable 12Volt, 70Amp load capacity with 5, 10 and 20Amp increments. Ideal for load testing Alternator output on a vehicle or on a Durst Test Bench, not to mention the many other applications noted above. Fan cooled and self powering to give 100% duty cycle and high reliability.



### LBT-24-252D

Mobile 24 Volt 252Amp load capacity with four rotary switches for accurate loading of battery banks with 2Amp increments. Fan cooled with mobile trolley and pneumatic wheels for easy manoeuvrability. 240Volt input required.



### LBT-24-180B

Mobile 24Volt 180Amp load capacity. Versatile model with 10Amp increments from 10 to 180Amps. Fan cooled with digital readout. 240Volt input required.



### LBT-24-256

Mobile 24 Volt 256Amp load capacity. Designed and manufactured by Durst for very accurate testing with 1Amp increments from 1 to 256Amps. Fan cooled with mobile trolley, easy to read digital Volt and Amp meters with 240Volt input required.



### LBT-72-240B

Mobile 72Volt, 240Amp load capacity. Multi positional switching in 20Amp increments. Designed for larger Industrial applications, battery banks, UPS and Solar System testing. Fan cooled with 240Volt input required. Can be custom built to your requirements



### LB-24-60B

Portable 24Volt, 60Amp load capacity with analogue Volt and Amp meters. Multi switching positions allow total flexibility from 2 to 60Amps in 10Amp increments. Fan cooled and self powering, the LB-24-60B is suitable for testing 24V UPS systems, battery banks and any other application including alternators on 24V Heavy Vehicles and Plant Equipment. Larger Capacity Banks available for higher output alternators.



### LBT-48-288B

Mobile 48Volt 288Amp load capacity. Powerful load bank with ultra heavy duty components to withstand higher voltages and loads. Complete with pneumatic tyres for easy manoeuvrability, easy to read digital meters and fan cooling for high reliability. 240Volt input required.

### Other models available upon request

# Battery Analysers & Electrical Testers



ET-20004

## ET-20004T PORTABLE ELECTRICAL DIAGNOSTIC TESTER

Fully portable test station you can easily test battery, electrical & charging problems on a vehicle before you remove any components. Complete with digital Amp and Volt meters, Fan cooled, Heavy Duty Carbon Pile Rheostat for complete electrical system loading and testing. Tests Alternator Output and Starter Motor current draw. 0-1000 Amps. Carbon Pile Load to 500 Amps (1000CCA), (1000 Amp, 2000CCA Carbon pile available on Model ET-20004LT) When used in conjunction with the supplied MM-CA1000 Inductive Current Clamp, unit will read as low as 1A up to 1000A for checking small current draw and full current leakage. Other features include large 3.5 LCD digital displays and automatic polarity indication. New flexible cables with spiral cable protectors, insulated current clamps and built-in volt trace wire for high accuracy. ET-20004LT Same as ET-20004T except with higher capacity 1000A, 2000CCA Carbon Pile.



ET-20004T

## ET-20004 ACCESSORIES MM-CA60 INDUCTIVE AMP CLAMP

(Range 10ma to 60 Amps)

## MM-CA2000 INDUCTIVE AMP CLAMP

(Range 1 to 2000 Amps)

Refer to page 19 of this catalogue for further details on the Amp Clamps



## Battery tester

### FEATURES BUILT IN PRINTER

Suitable for Professional Technicians. Quick 1 second initial results. Tests charging and starting systems. Built in Printer interface. 4 Line, LED display.



BT-8600K

## BT-8600 BATTERY/ELECTRICAL SYSTEM ANALYSER 6/12 VOLT

Full function digital analyser that tests batteries as well as charging and starting system components with alternator ripple test which detects failing diodes in alternators.

50-2000 CCA range, 5 CCA resolution. CCA, IEC, EN, BCI and DIN scale 4 line, 20 character backlit LCD display shows CCA's, voltage, good/bad status. Printer interface. Detachable cables, Temperature and low charge compensation, Loose lead detection. Seven language support and soft carry case.

BT-8600K Complete with carry case, kit includes: BT-8600 analyser, BT-8650 2m extension cable, BT-8675 Infrared printer for test results (shown above).

Replaceable cables available.

## BT-8300 DIGITAL BATTERY TESTER 12 VOLT

Digital battery tester with an easy to read display. 125-1400 CCA range, 5 CCA resolution CCA, IEC, EN, BCI and DIN scale. 4 digit display shows CCA's, voltage, good/bad status. Soft carry case.



BT-8300K

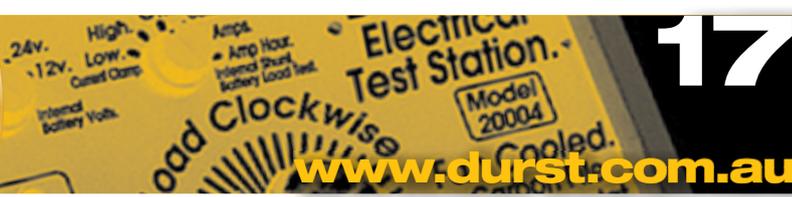


## BTI-GOLD PLUS INTELLIGENT BATTERY TESTER

Digitally programmed to test 6/12Volt SLA, GEL and FLOODED batteries 1.2Ahr to 200Ahr, automatically displays DC Voltage and Ampere hour capacity available in the battery. Quick, accurate and easy to use and identifies batteries that need to be recharged and replaced. Can also check the condition of new batteries. Weight 200grams.

DURST BATTERY ANALYSERS AND TESTERS

Durst Model BT-	BT-8600	BT-8300	BT-8100	BTI-Gold Plus
CCA Range	50-2000	125-1400	350-950	NA
CCA Resolution	5	5	2.5	NA
Scales	CCA, IEC, EN, BCI, DIN	CCA	CCA	Ahr.
Charging/Starting System	Yes	No	No	NA
Display	4x20 Backlit LCD	4 Digit	3 LED	Backlit LCD
Volts	6 + 12	12	12	6 + 12 5v-15v DC Max
Battery types	NA	NA	NA	GEL/AGM/SLA
Test Capacity 6v	NA	NA	NA	1.2Ahr to 12Ahr
Test Capacity 12v	NA	NA	NA	1.2Ahr to 100 Ahr



# Super Duty Carbon Pile Battery Load Testers



## BT-3006F HEAVY DUTY BATTERY LOAD TESTER 1000 AMPS (12.0KW)

Designed to test Heavy Duty 6,12 and 24 volt batteries from passenger vehicles all the way up to N200 batteries as fitted to trucks, tractors, earth moving, mining, aircraft, marine including deep cycle and other equipment. Provides the correct load for high rate discharge, cold cranking and amp/hour testing. Dual fan cooling for volume or production use. Accurate load current control incorporating heavy duty carbon pile load rheostat. New flexible cables with spiral cable protectors, insulated current clamps and built-in volt trace wire for highest accuracy. Separate analogue Volt and Amp meters for easy operation (digital meters optional). Volts 0-8, 0-16, 0-32 volts. Amps 0-2000 CCA, 0-1000 amps, 0-300 amp/hour.

**BT-3006T** Same as **BT-3006F**, trolley version

**BT-3006D** Same as **BT-3006F**, with digital readout

**BT-3006M** Same as **BT-3006F**, with special modification for Super Heavy Duty use such as railway applications.

**BT-3006F** Defence Stock Number NSN -6625-66-148-6417



## BT-2003F BATTERY LOAD TESTER - 500 AMPS (6.0KW)

Our most popular unit with vented steel case, carry handle and rubber buffers. Separate analogue Volt and Amp meters for easy operation (digital meters optional). Accurate load current control incorporating heavy-duty carbon pile load rheostat. Cooling fan for reliable continuous use. Includes new flexible heavy duty cable with built-in volt trace wire for high accuracy. Insulated current clamps for maximum safety and protection. Spiral cable protectors. Volts 0-8, 0-16 volts Amps 0-1000 CCA, 0-500 amps, 0-150 amp/hour

**BT-2003** Same as **BT-2003F** without internal cooling fan

**BCS-2003** Defence Stock Number NSN-6625-66-130-2681

**BT-2003T** Same as **BT-2003F** built into an ergonomically designed trolley with shelf to fit BC-430 Battery Charger

**BT-2003FD** With fan cooling and digital readout



## BT-570F BATTERY LOAD TESTER - 500 AMPS (6.0KW)

Single meter with rocker switch between volts and amps makes this unit a compact, powerful tester. High rate accurate discharge through heavy duty carbon pile load rheostat. Suitable for 6 and 12 volt batteries. New heavy duty cables with an in-built trace wire for high accuracy. Spiral cable protectors, fully insulated covered booster clamps for maximum safety and protection. Vented steel cabinet, carry handle. Internal cooling fan. Volts 0-16 volts Amps 0-1000 CCA, 0-500 amps, 0-150 amp/hour.



## BT-673 FIXED LOAD BATTERY TESTER

6 and 12 volt, 200 CCA fixed load battery tester with internal cooling fan. Easy to read meter scale complete with operating instructions on front panel. Steel case with carry handle and rubber buffers. Includes test leads with insulated clamps.

# Calibration Service

**FULL SERVICE & REPAIR  
24 HOUR TURNAROUND**

**Phone: intl+61 2 9660 1755**

**sales@durst.com.au**

**durst.com.au**





## Digital Multimeters

### MM-78B - DURST MARKET LEADING DEDICATED AUTOMOTIVE MULTIMETER

Auto ranging volts AC/DC, frequency, resistance, over-range indication, overload protection +/-, inductive RPM pickup to 12,000 RPM, Duty cycle & Dwell angle, 40 segment analogue bar graph, Sweeping throttle position sensor, temperature measurement, diode test, audible continuity, data hold, 10 mΩ impedance. Standard inclusions: protective holster, K type thermocouple probe, inductive RPM pickup, deluxe pair of safety type test leads with removable test tips - short and long, and alligator test clips. All fully insulated.

**ADDITIONAL FEATURES** 3 3/4 digit (0 - 4000 count) large LCD Display, Milliseconds Pulse Width, Zero (relative readings), max/min key, auto shut off. **Fused 20 amp internal shunt.** Ideal for EFI applications. Complete with easy to read 70 page instruction/training book. Cat 111



### MM-68B DURST DEDICATED AUTOMOTIVE MULTIMETER

Auto ranging volts AC/DC, frequency, resistance, over-range indication, overload protection +/-, inductive RPM pickup to 12,000 RPM, duty cycle & dwell angle, analogue bar graph, sweeping throttle position sensor, temperature measurement, diode test, audible continuity, data hold, 10 mΩ impedance. Standard inclusions: protective holster, K type thermocouple probe, inductive RPM pickup, deluxe pair of safety type test leads with removable test tips - short and long, and alligator test clips. All fully insulated. Complete with 60 page instruction/training book. Cat 111

### MM-48B DURST TOUGH ECONOMICAL MULTIMETER

Autoranging volts AC/DC, resistance with overload protection on all ranges. 34 segment analogue bar graph, 10 mΩ impedance, diode test, audible continuity, auto shut off, AC/DC current 10 amp fused, low battery indicator. input warning beeper and manual. As used by the Royal Automobile Association of South Australia. Cat 111

DURST DIGITAL MULTIMETERS			
Durst Model MM-	MM-78B	MM-68B	MM-48B
RPM, Pulse Width, % Duty, Dwell	Y	Y	
DC Volts	Y	Y	Y
AC Volts	Y	Y	Y
DC & AC Current	20	10	10
Temperature	Y	Y	
Resistance	Y	Y	Y
Capacitance	Y	Y	
Frequency	Y	Y	
Diode Test, Continuity	Y	Y	Y
Safety: IEC1010-1, Cat III	Y	Y	Y
Comprehensive Manual	Y	Y	Y
Moulded Rubber Case	Y	Y	Y
Suitable for Current Clamp	Y	Y	Y

# Current Clamp Meters & Adapters



CA40



MM-1562

## MM-1562 DIGITAL MULTIMETER

The MM-1562 is also ideal for automotive use and comes with 10 MΩ impedance as well as other features such as capacitance, frequency, duty cycle and diode testing for more in depth diagnosis.

Features include Auto ranging DC Volt scale to 600V, AC Volts to 600V, Dual DC and AC Amp scales to 40 Amps and 200 Amps respectively, hold function and power off. Complete with carry pouch and instructions. Complies with IEC 1010 Safety Standard CAT 11.



MM-CA1000



MM-CA600

## INDUCTIVE CURRENT CLAMPS FOR MULTIMETERS & SCOPES

AC/DC current adaptors to cover all automotive and commercial applications. Simply connects to any digital multimeter with a millivolt scale.

**MM-CA60** Range 10ma-6 amps, 1-60 amps

**MM-CA600** Range 1-600 amps

**MM-CA1000** Range 1-200, 1-1000 amps

**MM-CA2000** Range 1-400, 1-2000 amps

**MM-CA600A** Range 100ma-200, 1-600 amps



MM-CA60

## MM-2608 DIGITAL MULTIMETER

Tests Current range up to 2000 amps AC/DC, 400mv -1000 volts and resistance. Features include, Data hold, overload protection, automatic polarity switching and robust amp pickup clamp. Includes frequency, diode test, capacitance, min/max, continuity, 10 mΩ impedance, 42 segment bar graph. Auto Power Off Protective case, leads and instructions. Other models available on request.



# Multimeter & Thermometer Accessories

## PROBES, CASES & LEADS

**TP01** Wire probe 260°C

**TP02** Immersion probe 800°C

**TP04** Surface Probe 800°C

**TP06** Manifold temp 1000°C

**MM-TL35** Durst M/meter Leads CAT III 1000V (With Probes & Large Alligator Clips)

**MM-TL38** Durst Silicone Test leads (Fluke Appa)

**MM-TL51** Durst M/meter Leads (With Probes & Alligator Clips)

**MM-TL88** Durst Test lead Kit (Replaces MM-TL68 / MM-TL78)

**MM-PA20** Pressure Adaptor model – Plugs into your multimeter Pressure Range 1 to 500psi, Vacuum Range 30 inHg, Pressure Port Connection 1/2 inch NPT.

Full range of fuses available including bulk packs.



TP02

TP04

TP06

TL-35

TP01

MM-TL51

MM-PA20

## DURST CURRENT CLAMP METERS AND ADAPTERS

Durst Model MM-	MM-CA40	MM-2608	MM-1562	MM-CA60	MM-CA600	MM-CA600A	MM-CA1000	MM-CA2000
DC Volts	Y	Y	Y					
AC Volts	Y	Y	Y					
DC & AC Current	40	2000	200	60	600	600	1000	2000
Min Resolution Amps	100ma	1	1	10ma	1	100ma	1	1
Max Wire Size Dia.	8mm	50mm	28mm	8mm	32mm	34mm	60mm	70mm
Zero Adjustment	Auto	Y	Auto	Auto	Y	Y	Auto	Y
Resistance		Y	Y					
Capacitance		Y	Y					
Frequency		Y	Y					
Diode Test, Continuity		Y	Y					
IEC1010-1, Cat II	Y	Y	Y	Y	Y	Y	Y	Y
IEC1010-1, Cat III				Y			Y	
Instruction Manual	Y	Y	Y	Y	Y	Y	Y	Y



## Diagnostic Tools



### MM-ST05 - OXYGEN SENSOR TESTER SIMULATOR

This high-tech, user friendly Oxygen Sensor Tester/Simulator model MM-ST05 sports a simple interface to perform diagnostic tests and measurements on any Oxygen Sensor and to quickly determine whether or not an Oxygen Sensor is actually defective and in need of replacement. It is designed to be used both, as a stand alone tool or as a compliment to any scanner during the diagnostic process.

Can be used on:

- Zirconium Sensors
- Titanium 1 volt sensors
- Titanium 5 volt Sensors
- Wide Band "dual-Cell" Sensors
- Heated or unheated Sensors (1,2,3,4 or 5 wires)
- Diagnose "Lazy" sensors which may not trigger DTC's but cause driveability problems
- Sensors can be tested either ON or OFF vehicles.
- Does not require special time-consuming set-up or in-depth knowledge
- Real time cross count displayed on live bar graph
- Instant PASS/FAIL results displayed on large alpha-numeric display



### MM-TA300 - SMARTACH D DIGITAL DIESEL ENGINE TACHOMETER

Diesel Engine Tachometer

- Universal transducer clamp attaches quickly to fuel injection lines
- 6 foot cable allows to take RPM readings away from hot or moving parts in the engine
- Adjustable threshold and sensitivity level
- For 1 to 12 cylinders and 2 or 4 cycle engines
- Measures from 200 to 20000 RPM on a 4-1/2 digits LCD display, with simultaneous maximum and minimum readings
- Advanced microcontroller technology yields 0.1 % accuracy



### MM-TA500 - SMART ACH+COP MULTISYSTEM IGNITION ANALYZER

New MM-TA500 SmartTach+COP is the first tool of its kind in the industry capable of testing and diagnosing ignition systems on engines using: Coil on Plug, Coil near Plug, DIS (Distributor-less) or waste spark, magneto and conventional distributor/ignition coil technologies.

Simple to use, the MM-TA500 requires no special adapters, cables or a scope and is equipped with a large digital display that shows spark plug voltage, spark burn time, RPM, as well as Min/Max readings in real time.

The MM-TA500's unique and proprietary technology allows automotive technicians to perform quick and reliable diagnostics of non-starts, misfires, defective coils, fouled up or damaged spark plugs and/or spark plug wires, by comparing digital read-outs of the spark plug voltage and burn time between cylinders.

A must have time saving tool for every technician.



### SMARTACH TACHO/PEAK VOLT METER PETROL MM-TA100S

Handy pocket sized Ignition peak voltage tester that measures up to 40Kv with a **wireless** digital Tachometer. Featuring 4.5 digit LCD screen with full range display from 200 to 19999 RPM with provision for up to 12 cylinder engines in either 2 or 4 stroke configurations. Fast response time of 0.5 seconds and accuracy of + or - 0.5%. Save time and money by diagnosing suspect misfires, coil or ignition lead problems in seconds with the engine running. Suitable for all spark ignition engines. Complete with protective carry case.

**MM-TH100** Designed for Harley Davidson Motorcycles with all of the above features.



### MM-FF310 SHORT /OPEN CIRCUIT FINDER AND CIRCUIT TRACER

This unit will locate short circuits, open connections, broken wires, current leaks and it even traces wires: Now the technician can do all these tasks quickly and easily spending only a fraction of the time and effort required when using conventional methods. In most cases, you will even be able to locate the problem area without having to untie harnesses, open conduits or remove panels.

Multiple applications: this professional tool will work on all kinds of circuits with voltages between 6 and 42 Volt DC, such as those found in cars, trucks, trailers, tractors, boats, 4WDs, etc. With its wide working voltage range, automatic open/short detection, flexible probe and adjustable sensitivity, the MM-FF310 Faultfinder enables you to troubleshoot a complete array of common problems in a wide variety of vehicles and applications.

Simple to use, it only requires connecting the transmitter in series with the circuit or wire under test (i.e. across fuse holder, across a connector or in series with an open wire, light bulb socket etc.), and scanning the circuit/wire with the tracer's flexible probe to find the trouble spot.



# Electric Vehicle Charging

## AKEV22 7KW AND 22KW AC EV CHARGING STATION OPERATOR

AKEV22 AC charger comes up with modern design for commercial and public charging. Embedded with RFID, Ethernet and LTE features makes it best suitable for mall and company charging applications. Compliant with OCPP 1.6J protocol enables it to be connected and operated with global EV charging management platform.

- Its metal casing and semi-gloss coating ensure the appearance of the texture and meet the longterm outdoor use.
- Compliant with OCPP 1.6 and above enables it to connect to the global EV charge management platform without additional integration and matching.
- It offers wall-mounted and pedestal-mounted installation methods which make it suitable for various installation scenarios and reduce unnecessary construction costs.
- Support outlet of connector and socket to meet different customer requirements. Socket outlet in the front ensures that customers can easily charging even if it is wall-mounted
- The self-reset function of the leakage protection built in the charger eliminates the need for operators to go to the site for maintenance. Improve operation efficiency and reduce extra labor waste.

## AKEV22 7KW AND 22KW AC EV CHARGING STATION HOME USER

- The 4.3-inch display and unique UI offer good user display requirements for charging.
- The lit LED light strip allows users to quickly find the location of the charger at night and perform accurate operations.
- Mobile app integration feature provides users the convenience of remote operation and real-time charging status reminders

## EFLEX SERIES 60 TO 120KW EV CHARGING STATION

eFlex series DC fast charging system is a platform for multiple applications. It installs different number/voltage EV charging modules for different output. 3 charging outlets can be configured as 2 CCS or CCS + CHAdeMO which complies with multiple passenger EV and e-Bus. It has the characteristics of charging 2 EV simultaneously with two DC charging plugs. The eFlex charging system can integrate with the advertising system to display more operation and customer promotion information.

- User friendly interface with 7" LCD touch screen
- CCS combo-1/2/ CHAdeMO multiple charging outlets
- Ethernet / 3G / 4G / LTE connectivity
- OCPP 1.6 JSON protocol for global back-office connection
- Multiple charging modes: Auto, Time, Cost, Power consumption and SOC
- Safety concern including input/output contactor, fuse, EPO, SPD, leakage switch, insulation detector and software logic for multiple protection
- IP54 protection to ensure high reliability for harsh environment

### Advanced features

- Modular design for various output power configuration
- Multiple languages option
- Mobile App payment
- Credit card payment (optional)
- Advertising system (optional)

### Application

- Highway rest areas
- Electric bus parking stations
- Retail and commercial parking spaces
- Gas stations



Durst eFlex series 60-120KW



AKEV22 for Operator Charging Stations



AKEV22 for User / Home Charging Stations



## EFLEX MODULAR EV CHARGING SYSTEM

EV charging modules DC output includes 150 to 550V which ensures the charger to support all kinds of electric vehicles latest. North America certified by TuV makes it an advanced international grade charging converter and rectifier.



## EFLEX MULTI-STANDARDS EV CHARGING SYSTEM

eFlex series DC fast charging system is a platform for multiple applications. It installs different number/voltage EV charging modules for different output. 2 charging outlets can be configured as 2 CCS or CCS + CHAdeMO which complies with multiple passenger EV and e-Bus.

## EFLEX SERIES 30KW EV CHARGING STATION

- User friendly interface with 7" LCD touch screen
- CCS combo-1/2/ CHAdeMO dual charging outlets
- Ethernet / 3G / 4G / LTE connectivity
- OCPP 1.6 JSON protocol for global back-office connection
- Multiple charging modes: Auto, Time, Cost, Power consumption and SOC
- Safety concern including input/output contactor, fuse, EPO, SPD,leakage switch, insulation detector and software logic for multiple protection
- IP54 protection to ensure high reliability for harsh environment

### Advanced features

- Multiple languages option
- Mobile App payment
- Credit card payment (optional)
- Advertising system (optional)

### Application

- Retail and commercial parking spaces
- Parking lots
- Car dealer shop



AKEV22 for User / Home Charging Stations



## Automotive Testers



RT-666 RT-666D

### RT-666 & RT-666D ELECTRONIC REGULATOR TESTER

Easy to read analogue or digital display. Tests 6, 12 and 24 volt solid state voltage regulators for correct operation. Instant action cut out circuit protects against damage if shorted or incorrectly connected. 240v operation.

### ET-2002 AUTOMOTIVE ELECTRICAL TESTER

For testing starter current draw, alternator charging current and load testing batteries from 20 to 120 amp/hour rating or up to 500 Amps or 1000 Cold Crank Amps (CCA) using inbuilt carbon pile. Voltage can be measured under open circuit and load conditions. Amps 2-0-10, 10-0-50, 20-0-100, 100-0-500 Volts 0-10, 0-20, 0-50 Push button 1 volt range.



### DT-661 DIODE TESTER 3 AMP

Tests diodes under simulated working conditions for short and open circuit, efficiency and leakage without unsoldering the diode from the heat sink. 240V operation – fuse protected. Meter scale 3-0-3 amps.

### DT-661-10 DIODE TESTER 10 AMP

For use on large capacity alternators.

High/Low switch. 240 volt operation. Meter scale 10-0-10 amps.

**DT-720** For use on extra large capacity alternators. Meter scale 20-0-20 amps. 240 volt operation.



## Amps Volts Resistance Meters

### AVR-2001

Complete automotive circuit tester housed in a steel case. Tests battery alternator/generator, regulator, starter and other vehicle electrical circuits. Reverse current scales allow measurement of discharge currents.

The easy to read analogue meters have the following ranges: Amps 2-0-10, 10-0-50, 20-0-100, 100-0-500 (internal shunt) Voltage 0-10, 0-20, 0-50. Push button 1 volt range Ohms 0-1,000, 0-10,000, 0-100,000. Internal 1.5V battery. Supplied with test leads and 500 amp cables.



### AVR-566 DIGITAL INDUCTIVE VOLT / AMMETER

Steel case with large carry handle and rubber buffers. Dual LCD displays Convenient 600 amp inductive clamp included. 2000 amp inductive clamp optional. Over-range protected. Voltage probes with alligator clips. Volts: Rotary switching; 200-20-2 volts. Amps: Rotary switching; off-high-low-off. DC.



### COMPACT AMP/VOLT METERS

Lap top design with steel cabinet, dual easy to read meters. large carry handle, rubber buffers, complete with full set of test leads.

AVR-569 0-100 amps internal shunt, 0-50 volts, 1 volt scale and resistance 0-100,000 ohms, 0-500 amps external shunt option.

## Armature/Rotor Equipment

### AG-237L LARGE CAPACITY GROWLER 2 & 4 AMPS (SWITCHABLE)

Dual power growler with rocker switch, for inducing increased currents in large, high output armatures. 240 volt operation. Suits armatures 50mm-180mm diameter.

### AG-237 ARMATURE GROWLER 1.5 AMP

Universal armature growler for short circuits to frame, shorted coils and shorts between commutator segments on armatures. 240V operation. Suits armatures 50mm-130mm diameter.



### AG-238 ARMATURE/COMMUTATOR CONTINUITY AND INSULATION TESTER

240 volt mains power. 110V and 40V AC continuity test indicator lights. Tests automotive alternator and starter components for shorts to frame and circuit continuity. When used with the armature growler, the in-built AC ammeter allows coil current readings to be made when testing armatures and alternator stators.





# Durst - BJT-520B-TR TRAILER FOR JUMP STARTERS



The Durst BJT-510 B and BJT-520B industrial jump starter are in a league of their own, if you need to start up large trucks, heavy machinery, earth moving or large mining equipment with dead flat batteries this the unit for you. The BJT-520B can deliver industry leading cold cranking amps, it is rated at CCA 2400 at 24 volts, CCA 4800 at 12 volts.

Durst Industries has gone one step further and it now supplies the BJT-510 / 520B on 7 x 4 trailer. The trailer unit provides easy transportation of the jump starter to the vehicle that needs to be started. Durst also can supply custom lead sets and lengths to suit most heavy duty vehicles including Anderson Plugs, Cat / Volvo plugs as well as leads with extra heavy duty clamps.

If you need a specialized hitch, we're also able to fit that to the trailer including standard ball and pintle, others are available on request. Trailers are supplied with a VIN plate, jockey wheel, spare wheel and lighting, registration is not included. Call us to discuss the options you require.

## THE HEAVIEST DUTY JUMP STARTER ON THE MARKET NOW HAS IT'S OWN TRAILER!



## Hand Tools

### MM-SM4022 SOUND LEVEL METER (TYPE 1)

Large LCD display, Main functions are designed to meet IEC651 Type 1, condenser microphone, 3 ranges from 30 – 130dB, frequency from 31.5 to 8,000 Hz, powered by 2 x 9V batteries, hold function, fast and slow dynamic characteristics, can be Internally or Externally calibrated and requires **MM-SC941** Sound Level Calibrator for external calibration as required by some Government Departments. Complete with padded carry case.



### MM-SM4012 SOUND LEVEL METER (TYPE 2)

Large LCD display, Main functions are designed to meet IEC651 Type 2, condenser microphone, 3 ranges from 30 – 130dB, frequency from 31.5 to 8,000 Hz, powered by 9V battery, Output impedance 600 Ohms with RS 232 computer interface terminal and 3.5mm dia. phone socket. Externally calibrated and requires **MM-SC941** Sound Level Calibrator. Complete with padded carry case.



MM-SC941

**MM-SM4012K**. Kit version of **MM-SM4012** and includes RS232 Interface computer cable and software for PC operation.



### SOLDERING IRON 12 VOLT DC

**SI-1270** 70 Watt. Specially designed for auto, marine and mobile applications. Very quick heating, 425°C operating temperature. Ideal for soldering lugs in starter wiring and brushes etc. Large, tapered copper soldering tip. Shaft diameter 6mm, head diameter 12mm. Long double insulated leads fitted with heavy duty clips for operation from a 12V battery.



### SOLDERING IRON 240 VOLT AC

**SI-80** 80 Watt, **SI-100** 100 Watt, **SI-150** 150 Watt, **SI-300** 300 Watt. Timber handle, stainless steel body, solid copper tip. rugged construction. Other wattages available on request.



## Industrial Alternator/ Starter Test Benches



### TBE-600STD STANDARD MODEL

Model 600 Series  
3 Alternator Starter  
Test Bench.

Features a specially designed 2.2Kw variable speed Durst motor, 5000-0-5000 RPM. Available in 240v or 415v. Fitted with large easy to read analogue gauges: 10-20-50 Volt meter, 50-100-500 Amp meter and 6000-0-6000 Tachometer, multi-groove drive pulley, quick clamping alternator brackets, starter clamp and slide feed screw for easy belt tensioning. Dimensions 79cm D x 84cm W x 130cm H. Weight 110 Kg.



### TBE-600DLX DELUXE MODEL

Model 600 Series 3 Alternator Starter Test Bench: Features a specially designed 3Kw variable speed Durst motor, 5000-0-5000 RPM. Available in 240v or 415v. Fitted with large easy to read analogue gauges: 0-18Volt Regulator tester, 3-0-3 Amp Diode tester, 10-20-50 Volt meter, 50-100-500 Amp meter and 6000-0-6000 Tachometer, multi-groove drive pulley, quick clamping alternator brackets, starter clamp and slide feed screw for easy belt tensioning. Dimensions 79cm D x 84cm W x 142cm H. Weight 120 Kg.

**Defence stock number  
NSN 4910-66-147-1101**

### TBE-1200-2 MEDIUM COMMERCIAL

1200 Series Alternator Starter Test Bench: Features a specially designed 4Kw variable speed Durst motor, 5000-0-5000 RPM. Fitted with large easy to read analogue gauges, 3-0-3 Amp Diode tester, 10-0-10 Field Amp meter, 0-40Volt Electronic Regulator meter for 6, 12 & 24 volt units, 10-20-50Volt meter, 50-150-500-1500 Amp meter and 6000-0-6000 Tachometer, 500 Amp carbon pile, multi-groove drive pulley, quick clamping alternator brackets, top & side loading starter clamps, slide feed screw for easy belt tensioning. Battery isolation switch. Dimensions 90cm D x 100cm W x 160cm H. Weight 400 Kg. Power Supply 415v, 3 phase.

## Test Bench Accessories



### TBA-667 CARBON PILE RHEOSTAT

Designed for battery loading from 200amps to 500amps intermittently. Unit supplied with heavy duty leads and booster clamps. Steel ventilated cabinet. An ideal accessory for loading alternators on your test bench.



### TBA-668 FIELD AMMETER

Hand held ammeter. Range: 10-0-10 amps. A handy accessory for your 600 series test bench.



### LB-70

Mobile switchable load bank with easy to read analogue amp meter up to 70Amps at 12Volts. Ideal mobile test unit for testing 12V UPS, Solar Power systems, Durst test benches and other large battery banks. Multi switching positions to allow total flexibility from 5 Amps to 70 Amps in 5A increments. Fan cooled to give 100% duty and high reliability. Custom voltages and currents available on request. Also suitable for other applications. **Refer to page 15 for more information on load banks.**



**TB-1900S HEAVY DUTY INDUSTRIAL STARTER TEST BENCH FOR HEAVY VEHICLE, AVIATION, MINING & DEFENCE APPLICATIONS**

Features a specially designed full starter torque and free run system. Fitted with easy to read 3.5 digit digital meters: 0-200 Volts, 0-2000 Amps DC, Forward & Reverse, 0-20,000 RPM and 0-10,000 RPM Tachometer with simple setting pulley ratio switches. The automatic calculation circuit gives accurate starter motor speed. Torque range 0--> +/-200Nm or 0--> +/- 271 Ft Lbs. Battery Voltage Selector switches 6-36 volts with provision for higher voltages if required. Slide feed screw for easy meshing of pinion gears and quick clamping multi-position starter bracket fitted to robust compound slide. The advanced design of the mounting slide table allows custom mounting brackets to be manufactured to suit special applications including Military & Aviation. Fully safety guarded that requires two hands to operate. Dimensions 95cm D x 100cm W x 170cm H. Weight 400 Kg. Power Supply 240v, 1 phase.



**TB-1900A HEAVY DUTY INDUSTRIAL ALTERNATOR TEST BENCH FOR AVIATION, MINING & DEFENCE APPLICATIONS**

**Model TB-1900A-15 (15Kw) Model TB-1900A-11 (11.0Kw) Model TB-1900A-7.5 (7.5Kw)**

Designed to test the wide spectrum of units including the high output alternators found on heavy commercial vehicles. Features Extra Heavy Duty frame and specially designed full torque, variable speed electronic drive from 7.5Kw. upwards. Fitted with easy to read 3.5 digit digital meters: 0-200 Volts, 0-500 Amps DC, Forward & Reverse 0-5,000 RPM and 0-10,000 RPM Tachometer with simple setting pulley ratio switches. The automatic calculation circuit gives accurate alternator speed. Field Amp 0-20 Amps, AC Ripple Volt meter designed for testing Star Points & super imposing AC voltage in alternator under test situation. 8.4Kw fully switchable load bank. Battery Voltage Selector switches 6-36 volts with provision for higher voltages if required. Multi-groove drive pulleys, quick acting slide feed screw for easy belt tensioning and quick clamping multi-position alternator bracket fitted to machined compound slide. Provision for optional oscilloscope. Dimensions 95cm D x 100cm W x 170cm H. Weight 550 Kg. Power Supply 415v, 3 phase.



**AIR CONDITIONING TEST BENCHES**

Bench test your air conditioning compressors to ensure proper operation before fitment to the vehicle. Features include our specially designed full torque variable speed electronic drive motor with 5000-0-5000 Digital Tachometer, drive belt safety guard and a one piece multigroove pulley that enables the compound slide to easily and accurately tension the drive belt via the feed screw. Quick clamping compressor brackets and an angle plate suit a comprehensive range of side mount compressors with 12 and 24 Volt DC power to operate the clutch.



# Replace your hazardous solvent parts washer with a DURST SmartWasher®

## The only proven bioremediating system... SmartWasher with OzzyJuice, the Intelligent Solution

On March 24, 1987 disaster struck when the supertanker Exxon Valdez ran aground in Prince William Sound spilling over 10 million gallons of oil. It was Ozzy's chance to show what he could do...naturally.

### HOW OZZY WORKS

In simple terms, Ozzy eats oil and grease, which are also called hydrocarbons. When Ozzy has finished with them, the toxic, polluting hydrocarbons have been transformed into safe, everyday substances...water and carbon dioxide. That's why you don't need an expensive hauling contract, just a Durst SmartWasher.

### OZZY IS SAFE

Some microbes, like Ozzy, are non-toxic and completely safe. Other friendly microbes are used in the fermentation of beer, and are found in the active cultures that make yogurt healthy and sourdough bread tasty.

### CLEAN PARTS: THE ENVIRONMENTALLY FRIENDLY WAY

The SmartWasher uses a powerful cleaning agent to clean the toughest grease and grime quickly and easily. Head-to-head competition has proven that the SmartWasher can clean as well and as quickly as solvents...without the dangers of solvents or the expense and hassle of hauling! That's why 95,000 users worldwide, including the military services, major car companies and work shops just like yours are using the SmartWasher for all their parts cleaning.

### NO HASSLES

Because you won't have any dangerous solvents or grey water to dispose of, you won't have any EPA or OH&S paper work to deal with. You'll also be able to avoid never ending environmental and health claim liabilities since Ozzy turns grease and grime into just water and carbon dioxide.

## Safe for use on all rubber components and seals



DSW-123M

**Why Rent when you can buy?**

**OH&S COMPLIANT** ✓

DSW-128  
Super Sink

240v AC

Trolley is an optional extra DSW-1060v

DSW-125  
Standard Sink

## No Liabilities from employees' exposure to solvents

# Victron Energy

## Energy. Anytime. Anywhere.



Models:3000VA

### MULTIPLUS-II GX INVERTER/CHARGER WITH GX INSIDE

An Inverter/Charger with device networking built-in, the MultiPlus-II GX communicates with a solar charger, batteries, and other devices to control a grid-connected, off-grid, or remote power installation. Capable of parallel operation for increased power output, or battery charge-rates, the MultiPlus-II GX can also be configured for three-phase supply. A host of advanced features - such as uninterrupted power supply, setting load limits, and supplementing limited grid-power availability with battery power - can all be controlled straight from your phone or smart device. Remote monitoring is also possible.



Models:3000VA

### EASYSOLAR-II GX ALL-IN-ONE SOLAR POWER SOLUTION

The EasySolar-II GX combines a MPPT Solar Charge Controller, an inverter/charger and control hub in one enclosure. The product is easy to install, with a minimum of wiring.

#### Display and wifi

The display reads battery, inverter and solar charge controller parameters. The same parameters can be accessed with a smartphone or other wifi enabled device. In addition, wifi can be used to set up the system and to change settings.

#### Solar charge controller

The DC output of the SmartSolar MPPT is parallel wired with the DC connection of the MultiPlus-II inverter/charger. The on/off mechanism of the MultiPlus-II also controls the SmartSolar MPPT.

#### VRM Portal

Our free remote monitoring website (VRM) will display all your system data in a comprehensive graphical format. System settings can be changed remotely via the portal. Alarms can be received by e-mail.



### CERBO GX

This all-new communication-centre allows you to always have perfect control over your system from wherever you are and maximises its performance. Simply connect through our Victron Remote Management (VRM) portal, or access directly, using the separate GX Touch 50, a MFD or our VictronConnect app thanks to its added Bluetooth capability. This latest addition to the GX-range combines all the best of connectivity, redefining smart power solutions in every way.



Models:12/24/36/48 Volt

### SMARTSOLAR MPPT 150/70 UP TO 250/100 VE.CAN

The MPPT VE.Can SmartSolar charger uses the latest and fastest technology to convert energy from a solar array into energy that optimally charges a battery banks.



### LITHIUM BATTERY 12.8V & 15.6V SMART.

- With integrated cell balancing
- Can be parallel and series connected
- Bluetooth app available to monitor cell voltage and temperature

The advantages of a Lithium-ion battery over conventional lead-acid batteries

- High energy density: more energy with less weight;
- High charge currents (shortens the charge period);
- High discharge currents (enabling for example electrical cooking on a small battery bank);
- Long battery life (up to six times the battery life of a conventional battery);
- High efficiency between charging and discharging (very little energy loss due to heat development);
- Higher continuous power available.



### GX TOUCH 50

The GX Touch 50 is the display accessory for our Cerbo GX. The five inch a touch screen display gives an instant overview of your system and allows to adjust settings in the blink of an eye. Simply connected to the Cerbo GX with one cable, its super slim waterproof design, top-mountable setup and its simple installation bring a lot of flexibility when creating a crisp and clean dashboard.

# Don't throw it, send it to us.

## Durst Full Repair & Calibration Service. We Can Fix It!

If you have a faulty Jump Starter, Battery Load Tester, Battery Charger, Test Bench etc that you think has seen better days, we can repair it and make it like new again! All brands of equipment repaired. Send it in for an obligation free quotation. You'll be surprised at the money you'll save.

