

BCS-AL1205/BCS-AL2403 LiFePO4 Charger Specifications & User Manual

Features:

1. 5 Stages Charging: 1st-25% of rating current pulse (Red LED blink); 2nd-25% of rating current (Orange LED blink); 3rd-100% of rating current (Orange LED); 4th- constant voltage (Green LED blink); 5th- full charged. (Green LED)
2. Charging time setting: 8 hours after the charger connects to the battery.
3. Short-circuit Protection: Charger O/P cut-off automatically when short circuit.
4. Overload Protection: Charger O/P current-limited automatically when overload.
5. Battery Fault Protection: Charger O/P cut-off automatically when battery fault.

Specifications:

MODEL		BCS-AL1205	BCS-AL2403
Input	Voltage	AC100V-240V	
	Frequency	47-63HZ	
Output	Voltage	DC14.4V +/-0.2V	DC28.8V +/-0.2V
	Rating Current	5A +/-5%	3A +/-5%
	Pulse Charge(<2.5V/cell)	1.25A +/-5% pulse	0.75A +/-5% pulse
	Pre-charge(<3.0V/cell)	1.25A +/-5%	0.75A +/-5%
	<10% of Rating Current cut-off	0.5A +/-5%	0.3A +/-5%
	Total Charging Timer	Automatically cut off after 12 hours	
Protection	Battery Reverse	Yes, Automatic Shutdown	
	Short-circuit	Yes, Automatic Shutdown	
	Overload	Yes, Current Limited	
	Cooling Fan	Speed Controlled by Charging Stage	
Mechanical	Dimensions (mm)	160 x86 x50	
	Weight	0.5	

Notices:

1. BCS-AL Series was designed for charging Lithium Batteries only. The battery maybe damaged if orange LED cannot be off lighting after long time charge.
2. Always place the charger in well ventilated and dry environments
3. The charger was designed by aluminum housing as itself heat sink, avoid touching the case for safety purpose because the temperature is about 50°C on the case when charging.

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Operations:

1. Connect the charger system to a wall receptacle strongly. The battery charger must only be plugged into an earthed socket-outlet.
2. Connect the alligator clips to battery terminals (red clip → positive terminal; black clip → negative terminal)
3. Turn on the power switch which is located on the rear panel then the red LED lits and bi-colour LED will confirm the charger's stage. And the LCD (or digital meter) will confirm the charger's stage & battery level (or O/P voltage)

Charging Curve & LED Indications:



