



PPS3-12100 | PPS3-12130

Programming Power Supply

12V PROGRAMMING SUPPORT



Input	System	Programming	Output Current	Size / Weight
200-260 VAC	12V	14.6V	100A / 130A	385 x 300 x 115 mm 7.95 kg

Revision: 2026.07

Overview

The PPS3 Series is a 12V programming power supply for vehicle maintenance, diagnostics and ECU programming. It is designed to maintain clean, consistent battery support voltage during long programming or testing procedures, helping reduce the risk of voltage dropouts and surges affecting sensitive vehicle electronics.

Application	Vehicle servicing, diagnostic testing and ECU programming
Nominal battery voltage	12V
Programming voltage	14.6V
Compatible battery types	Gel-AGM maintenance-free, flooded lead acid, lead calcium-VRLA and deep cycle

Key Features

- Fully automatic operation with intelligent adjustment for different batteries and ECU applications
- Maintains stable battery support voltage during programming and testing
- Designed for long programming and diagnostic procedures
- Easy-to-read display for real-time voltage and current monitoring
- Overload, spike, surge and short-circuit protection
- Reverse polarity protection with audible warning
- Compact, lightweight metal enclosure with integrated carry handle
- Compliant with Australian Electrical Standards

Typical Applications

- Automotive workshops and dealership service departments
- ECU programming and diagnostic support
- Bus, fleet and commercial vehicle maintenance
- Mining, defence and industrial vehicle support

Service and support

For service, warranty or technical support, contact Durst Industries or an authorised Durst representative.



Model Specifications

Model-specific performance data is summarised below. Values are carried across from the supplied PPS3 technical data sheet.

Item	PPS3-12100	PPS3-12130
Input voltage	200-260 VAC	200-260 VAC
Nominal battery voltage	12V	12V
Programming voltage	14.6V	14.6V
Charge current	100A	130A
Overload protected	Yes	Yes
Reverse polarity protection	Yes	Yes
Weight	7.95 kg	7.95 kg
Case size	385 L x 300 W x 115 H mm	385 L x 300 W x 115 H mm

Protection

Overload protection, reverse polarity protection, spike protection, surge protection and short-circuit protection are listed for the PPS3 series.

Compatible battery types

Gel-AGM maintenance-free, flooded lead acid, lead calcium-VRLA and deep cycle batteries.

Primary use

Battery support for modern vehicle servicing, diagnostic testing and ECU programming where stable voltage is required.

Operating Instructions

1. Safety first

Use a safe, stable AC supply within the specified input range. Inspect the unit, mains lead and output leads before use. Do not operate the unit if the housing or cables are damaged.

2. Connect the leads

Connect the red lead to the positive battery terminal and the black lead to the negative battery terminal. If the piezo buzzer sounds, switch off and check the polarity and battery connection before continuing.

3. Power on

Plug the power supply into the AC outlet, turn the rocker switch to ON, then press the red momentary switch to start the unit.

4. Programming support mode

During programming and diagnostic work, the unit maintains stable battery support voltage to help prevent voltage dropouts and surges.

5. Display monitoring

Use the LED display to monitor real-time voltage and current during the procedure.

6. Charging mode

The unit charges the battery at full output until approximately 90% charged, then tapers current until the battery is fully charged or power is drawn from the battery.

Important

Always follow the vehicle manufacturer programming procedure. Maintain correct polarity and do not disconnect the power supply or battery leads during a programming process unless the vehicle procedure requires it.



Safety, Precautions and Support

- Use the PPS3 only for its intended purpose as a 12V programming power supply and battery support unit.
- Always observe correct battery polarity. If the warning buzzer sounds, stop and check the connection before use.
- Do not allow the output clamps or terminals to short circuit.
- Keep the unit dry, clean and ventilated. Do not operate in a damp or wet environment.
- Do not operate the unit if the enclosure, mains cable or output leads are damaged.
- Avoid using unsuitable standard battery chargers for ECU programming support, as unstable voltage or spikes can damage vehicle electronics.
- Keep the unit away from children and untrained users.

Operating Notes

- Use the display to confirm voltage and current during programming or charging.
- The PPS3 series is intended to support sensitive vehicle electronics during diagnostic and programming operations.
- When the charging function is used, current tapers as the battery approaches full charge.

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