



## Smart IP67 Charger – 12V / 25A



### Product Overview

- Fully encapsulated, waterproof (IP67), shock proof, and ignition protected
- Adaptive 5 stage charging algorithm: Bulk > Absorption > Recondition > Float > Storage
- Suitable for lead acid (sealed, AGM, gel, flooded)



### Electrical Specifications

- Input Voltage Range: 180–265 VAC, 45–65 Hz
- Efficiency: 95%
- Output Voltage (Absorption):
  - Normal: 14.4 V, High: 14.7 V, Li ion: 14.2 V
- Output Voltage (Float):
  - Normal/High: 13.8 V, Li ion: 13.5 V
- Output Voltage (Storage):
  - Normal/High: 13.2 V, Li ion: 13.5 V
- Charge Current (Normal Mode): 25 A
- Charge Current (Low Mode): 10 A



### Features

- Weekly refresh to prevent electrolyte stratification and sulphation
- Recovery function for fully discharged batteries (including Li ion with internal disconnect)
- Over temperature protection with automatic current reduction up to 60 °C
- Reverse polarity (fuse), short circuit, and over temperature protection
- Two LED status indication (yellow: charge stage, green: power on)



### Mechanical & Environmental

- Dimensions (H × W × D): 99 × 219 × 65 mm
- Weight: 2.4 kg
- Operating Temperature: –30 °C to +60 °C (full output to 40 °C, derate 3%/°C above)
- Ingress Protection: IP67



Available to purchase

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# Pro Charge Ultra – 12V / 20A On Board Battery Charger



## Product Overview

- Suitable for Gel, AGM, sealed, open lead acid
- 11 preset charging profiles + 1 custom user set profile (no computer required)
- Compact, corrosion resistant, IP22 drip protection



## Mechanical & Environmental

- Dimensions (L × W × D): 260 × 215 × 90 mm
- Weight: 2.0 kg
- Mounting: Vertical (ABYC drip test compliant)
- Cooling: Forced draft, thermostatically controlled



## Electrical Specifications

- Input Voltage Range: 80–270 VAC, 40–70 Hz
- Power Factor: 0.976 PFC
- Efficiency: 90.4%
- Full Load Current: 4.6 A @ 230 V / 9.8 A @ 110 V
- Output Voltage: 12 V nominal
- Output Current: 20 A max
- Number of Outputs: 3 isolated banks
- Generator Requirement: ~350 W continuous (recommend 700 W for cold start)



## Safety & Compliance

- Meets ABYC drip test standards
- Non ferrous or heavily protected metals for corrosion resistance
- CE, UL certification (see manufacturer docs for full list)



## Features

- Automatic desulphation/equalisation every 7–10 days
- Dual digital meters for voltage and current
- 32 LED status and diagnostics display
- Programmable power reduction (100%, 75%, 50%, 25%)



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