



EN312100

12V 100A
Smart Battery Charger



Batterypro

www.a1batterypro.com.au

Features:

- **Multistage Charging:** Fully automatic 4 stage battery charger with the ability to charge 3 separate battery banks.
- **Separate Battery Banks:** Isolated charging design where battery bank one is separate from battery bank two and three.
- **Programmable:** Battery bank 1 can be programmed with a different charge algorithm over banks 2 and 3.
- **Current Control:** User adjustable current output (e.g. Dial the 100amp unit back to run off a 1kVA generator).
- **Smart Charging:** The ePOWER 100A battery charger will regulate its output based on the loads connected to your battery banks.
- **Wide AC Input Range:** Operates on both 110V / 60Hz and 240V / 50Hz.
- **LED Display:** Easy to use "set and select" menu along with scrolling charger status.
- **Silent Mode:** Disables the cooling fan for total silent operation at night or whenever required. Activation reduces charge output by half and locks out fan for 12 hours.
- **Selectable Battery Type:** Gel, AGM, Flooded, Lithium, Program (Flooded Default).
- **Temperature Sensor:** Battery temperature sensor included with 3-meter cable.



Two Great Stores to choose from...

7 Cemetery Rd,
Mackay QLD 4740
Phone 07 4957 6123

Unit 16, 547 Woolcock St,
Mt Louisa, Townsville QLD 4814
Phone 07 4774 7344

Specifications:

Charger Output	
Output Current (Maximum)	100A
Output Voltage Range	
Charge	14.2 – 15.5 V
Float	13.4 – 13.8 V
Equalize	15.5 V
Charging Control	Four stages (Bulk/Absorption/Float/Maintenance)
	Two stages (Bulk/Absorption)
	Constant Power Supply (Program setting)
	Priority Battery Bank Charging
DC Output Bank	Three (1 fully independent, 2 common with diode isolation)
Selectable Battery Type	Gel, AGM, Flooded, Lithium, Program (Flooded Default)
Standby Current	< 5 mA
Charger Input	
AC Input Operating Range	207-265 VAC (7.6 A Max) 90-125 VAC (15.9 A Max)
Power Consumption	1750W (Full Load)
Protection and Features	
Reverse Polarity	Yes, (with user replaceable fuse/s)
Over Charge	Yes, unit shutdown
Over Temperature	Yes, unit de-rated and shutdown
Battery Temp Sensor Port	RJ12 (standard battery temp. sensor supplied)
Display	
LCD Display (with back light)	Charging status, Battery Voltage, Output Current & Fault Codes.
AC Input and DC Output Connection	
DC Output Connection	Heavy Duty Terminal (3 banks) – Hex Nuts 8mm Thread
DC Output Ground	Single Heavy Duty Common Ground Stud
Environmental and Operating Temperature	
Storage Range	-40° to 70° C
Operating Range	-20° to 60° C
Humidity	5-95%, relative humidity non-condensing
Ingress Protection	IP32 (Basic drip proof in vertical orientation)
Base Unit Weight and Dimensions	
Weight	6.4kg
Dimensions (L x W x H)	425 x 236 x 102.7mm
Optional Accessories	Remote Digital Display / Enerdrive Part Number EN3REM