

ROBUST CHARGERS

- Robust design
- IP54 (IP66 optional)
- Up to 3000W
- Intelligent options
- 12, 24, 36 & 48 VDC
- Temp. compensated
- Short-circuit protection
- Easy to install
- Re-programable
- Compact housing
- Current limited
- High efficiency

ROBUST CHARGERS

Primepower Robust chargers uses high end switching technology. The intelligent microcontroller extends the life of the battery by supervising the charging process.

The charger is compact, silent and meets the EU safety and EMC requirements.

Chargers are available for a variety of battery types including Lithium Ion batteries.

The ruggedized design and compact volume together with high efficiency makes the Robust charger perfect for a multitude of tough tasks.

They are equally suited to charge batteries for cyclical applications, as they are to do maintenance charging of vehicle batteries. The Robust charger is suitable both as free standing and as "on board" chargers. Protection class against water & dirt is IP54. Optional IP66.

ROBUST R2300 & R3000



ROBUST R1100



ROBUST CHARGERS

- Robust design
- IP54 (IP66 optional)
- Up to 3000W
- Intelligent options
- 12V, 24, 36 & 48 VDC
- Temp. compensated
- Short-circuit protection
- Easy to install
- Re-programable
- Compact housing
- Current limited
- High efficiency

SPECIFICATION AND MODELS

	ROBUST R1100	ROBUST R2300	ROBUST R3000
Dimensions (H x W x D)	IP54 - 327 x 230 x 83mm IP66 - 290 x 230 x 110mm	IP54 - 367 x 230 x 83mm IP66 - 330 x 230 x 110mm	IP54 - 367 x 230 x 83mm
Weight	IP54 - 3,9Kg / IP66 - 5,8Kg	IP54 - 6,1Kg / IP66 - 8,5Kg	IP54 - 6,7Kg
Ambient temperature (full power)	-35°C to +40 °C	-35°C to +40 °C	-35°C to +40 °C
Ambient temperature (Max)	-35°C to +55 °C	-35°C to +55 °C	-35°C to +55 °C
Available models	12V/40A, 24V/40A 36V/22A, 48V/20A	12V/80A, 24V/80A 36V/53A, 48V/40A	12V/105A, 24V/105A 36V/80A, 48V/60A
Charging voltage (typical)	14.4V, 28.8V, 43.2V, 57.6V	14.4V, 28.8V, 43.2V, 57.6V	14.4V, 28.8V, 43.2V, 57.6V
Recomended battery capacity	20Ah-500Ah	30Ah-1000Ah	40Ah-1200Ah
Input Voltage	195-264VAC, 47-64Hz	195-264VAC, 47-64Hz	195-264VAC, 47-64Hz
Ripple	<1%	<1%	<1%
Battery types	All lead-acid & Lithium	All lead-acid & Lithium	All lead-acid & Lithium
Output voltage accuracy	±0.5%	±0.5%	±0.5%
Output current accuracy	±2%	±2%	±2%
IP Class	IP54 / IP66	IP54 / IP66	IP54
Protection class	Class I	Class I	Class I
Mains cable	3x1.5mm ² Rubber cable, 1,5m	3x1.5mm ² Rubber cable, 1,5m	3x1.5mm ² Rubber cable, 1,5m
Battery cables	2x10mm ² 1,5m	2x16mm ² 1,5m	2x16mm ² 1,5m
Other	Wrong polarity protected Short-circuit protected	Wrong polarity protected Short-circuit protected	Wrong polarity protected Short-circuit protected
Housing	Aluminum	Aluminum	Aluminum
CAN bus	Optional	Optional	Optional

ROBUST R1100 IP66 VERSION

