MINI DIAMOND SERIES

| 48V/60V/72V 650~860W Li-Ion Battery Chargers

Description

Powerland's "Mini Diamond" series 48V/60V/72V 650 - 860W lithium - battery chargers adopt a fully enclosed metal shell design. They feature ultra - high efficiency, high reliability, and an ultra - long service life, and are widely used in scenarios like electric vehicles, electric bicycles, electric motorcycles, and electric boats.

Applications

- E-motorcycles
- E-boats
- E-machines

Features

- AC Input: 90~264Vac
- Output Power: 600~860W
- High Cost Performance
- High Thermal Performance
- Ultra-high Reliability
- High Efficiency: 93%
- Ultra-high Power Factor
- Comprehensive Protection: OVP, UVP, SCP, OCP, OTP, RCP
- With LED Indicator
- UL, CE, KC, PSE, CB, GS, SAA
- RS485/CAN/Enabled Function Optional
- IP65 Ingress Grade

Specifications

Model	PLD800-EVBX02-04815SAW	PLD860-EVBX03-07210SCW
Output Voltage	27-54.6VDC	40-84.3VDC
Output Current	15A	10A
Max. Output Voltage	54.6Vdc	84.3VDC
Current Accurancy	±0.4A	±0.4A
Voltage Accurancy	±0.2V	±0.2V
Output Power	800W	860W
Input Voltage	185~264VAC	185~264VAC
Input Frequency	47-63Hz	47-63Hz
Max. Input Current	4.2A@230VAC	4.2A@230VAC
Power Factor	>0.98	>0.98
Efficiency	92.5%	93.0%
Communication	485/Customized/CAN	485/Customized/CAN
Ingress Protection	IP65(IP67 Optional)	IP65(IP67 Optional)
Protections	OVP/UVP/SCP/OCP/OTP/RCP	OVP/UVP/SCP/OCP/OTP/RCP
Cooling	Fan Cooling	Fan Cooling
Working Temperature	-10℃ ~+40℃	-10℃ ~+40℃
Max. Case Temperature	65℃	65℃
Safety	UL, CE, KC, PSE, CB, GS, SAA (Optional)	UL, CE, KC, PSE, CB, GS, SAA (Optional)
EMI	EN 55032CLASS B	EN 55032 CLASS B
Surge Protection	Differential mode: 1kV, Common mode: 2kV	Differential mode: 1kV, Common mode: 2kV
Insulation	Primary to Secondary: 3000Vac / 10mA Max. Primary to Ground: 1500Vac /10mA Max Secondary to Ground: 1750Vac 10mA Max	Primary to Secondary: 3000Vac / 10mA Max. Primary to Ground: 1500Vac /10mA Max Secondary to Ground: 1750Vac 10mA Max
Dimensions (L×W×H)	160*120*85mm	160*120*85mm
Weight	2.0kg	2.0kg