

Descriptions

Powerland's 500W/720W Li-ion battery chargers are designed with ultra high efficiency, as well as full metal case enclosure with fan. The extraordinary performances of low power dissipation provide the chargers high reliability and super long life time. Featured with 48V battery auto identification, this series of chargers offers solid and safe power conversions for applications such as power exchange cabinet, e-vehicles, e-bikes, e-motorcycles, e-boat, e-machines, etc.



Features

- Output Power: 500W/720W
- Ultra High Reliability
- High Efficiency: Up to 92.5%
- All-Around Protections: OVP, OTP, SCP, OCP, AC Over Voltage Protection
- Battery Auto Identification
- With LED Indicator
- Meet GB4943.1-2011, GB9254-2008
- CAN / RS485

Models

Model Number	Output Power	Output Voltage	Output Current	Output Current Range
PLD500-EVCB10-5490	500W	30~60V	9.0A	0~9.0A
PLD720-EVCS01-48	720W	26~60V	12.0A	0~12.0A

Electrical Specifications

Model	PLD500-EVCB10-5490	PLD720-EVCS01-48
Output Voltage	30~60V	26~60V
Output Current	9.0A	12.0A
Current Accuracy	±6%	±0.2A
Voltage Accuracy	±0.2V	
Output Power	500W	720W
Input Voltage	185~264Vac	160~280Vac
Input Frequency	45~65Hz	
Max. Input Current	3.0A Max. @ 220Vac	3.9A Max. @25°C 220Vac
Max. Input Power	537W	774W
Power Factor	0.96	0.97
Efficiency	93%	
Communication	RS485、CAN	
Protections	OTP , SCP, OVP, RCP, Open Circuit Protection, Overcharge Protection, Timing Protection	With Lightning Protection & all-round protections (AC UVP/OVP, DC UVP/OVP/SHORT ,OTP)
Ingress Grade	NA	IP3X
Working Temperature	-20~65°C	-20~55°C
Cooling	Fan Cooling	Fan Cooling
Max. Case Temperature	20°C	≤75°C
Safety	GB4943.1-2011, GB9254-2008	GB/T36944-2018
Surge Protection	2kV/4kV	2kV/4kV
Isolation	Primary to Secondary: 3000Vac 10mA max./60s Primary to Earth: 1500Vac 10mA max./60s Secondary to Earth: 500Vac 10mA max./60s	Primary to Secondary: 3000Vac / 10mA Max / 60s Primary to Earth: 1500Vac 10mA max./60s Secondary to Earth: 1250Vac 10mA max./60s
Dimensions (LxWxH)	213x98x50.8mm	220x102x54mm
Weight	1.1kg	1.5kg
Life Time	5 Years at 50°C , Full load and Nominal Input Condition	5 years at 45 °C, Full load and nominal input condition

* Unless otherwise noted, the data are based on 25°C ambient temperature, 230Vac input voltage and full load.