

Descriptions

Powerland's 840W/1000W Li-ion battery chargers are designed with ultra high efficiency. The extraordinary performances of low power dissipation provide the charger high reliability and super long life time. This series of chargers offer solid and safe power conversions for applications such as e-vehicles, e-motorcycles, e-boat, e-machines, etc.



Features

- Universal AC Input: 90~264Vac/100~240V
- Output Power: 840W/1000W
- Ultra High Reliability
- High Efficiency: Up to 94%
- All-Around Protections: OVP, OCP, SCP, OTP, RCP
- Low Temperature Start Up @ -10°C
- High Temperature Full Load Operation @ 40°C
- RS485/CAN Communication

Models

Model Number	Output Power	Output Voltage	Output Current	Output Current Range
PLD840-EVCN06-82	504W	35~84V	6A Max	95~105%Io
PLD840-EVCN12-82	840W	35~84V	12A Max	95~105%Io
PLD900-EVCN16-73	900W	26~86V	26A Max	95~105%Io
PLD1000-EVCN16-86	1000W	26~86V	26A Max	95~105%Io

Electrical Specifications

Model	PLD840-EVCN06-82	PLD840-EVCN12-82	PLD900-EVCN16-73	PLD1000-EVCN16-86
Output Voltage	35~84V	35~84V	26~86V	26~86V
Output Current	6A Max	12A Max	26A Max	26A Max
Max. Output Voltage	84V	84V	86V	86V
Current Accuracy	± 5%			
Voltage Accuracy	± 0.5%		± 1%	
Output Power	504W	840W	900W	1000W
Input Voltage	100-240Vac		90~264Vac	
Input Frequency	50-60HZ			
Max. Input Current	6A	10A	10A Max @ 115Vac	10.5Max @ 115Vac
Max. Input Power	560W	933W	985W	1050W
Power Factor			0.97	
Efficiency	94%		93%	
Communication	RS485			CAN
Protections	OVP, OCP, SCP, OTP, RCP, Timer, Auto Off @ No Load		OVP, OCP, SCP, OTP	
Working Temperature	-10~40°C			
Cooling	Fan Cooling			
Max. Case Temperature	<60°C@25°C Ambient Temperature			
Surge Protection	1kV DM / 2kV CM			
Isolation	Primary to Secondary: 3000Vac/10mA max./60s Primary to Earth: 1500Vac/10mA max./60s Secondary to Earth: 1200Vac/10mA max./60s			
Dimensions (LxWxH)	263*134*92.5mm			
Weight	4.5kg			

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