

Descriptions

Powerland's 840W Li-Ion battery chargers are designed with ultra high efficiency, as well as full metal case enclosure. The extraordinary performances of low power dissipation and water proof provide the chargers high reliability and super long life time. This series of chargers offer solid and safe power conversions for applications such as e-vehicles, e-bikes, e-motorcycles, e-boat, e-machines, etc.



Features

- Input Voltage: 185~264Vac
- Output Power: 840W
- Ultra High Reliability
- High Efficiency: Up to 94%
- All-Around Protections: OVP, OCP, SCP, OTP, RCP
- Timer Off Function
- Auto Off @ No Load
- Low Temperature Start Up @ -10°C
- High Temperature Full Load Operation @ 45°C
- CAN Communication
- IP65 Ingress Grade

Models

Model Number	Output Power	Output Voltage	Output Current	Output Current Range
PLD840-EVC-70	840W	46~70V	12A	95~105%Io
PLD840-EVC-84	840W	53~84V	10A	95~105%Io

Electrical Specifications

Model	PLD840-EVC-70	PLD840-EVC-84
Output Voltage	46~70V	53~84V
Output Current	12A	10A
Max. Output Voltage	70.4V	84V
Output Voltage @ Open Circuit	70.4V	84V
Current Accuracy	$\pm 5\%$	
Voltage Accuracy	$\pm 0.5\%$	
Output Power	840W	840W
Input Voltage	185~264Vac	
Input Frequency	47~63Hz	
Max. Input Current	6.5A	
Max. Input Power	950W	
Efficiency	94%	
Communication	CAN	
Protections	OVP, OCP, SCP, OTP, RCP, Timer, Auto Off @ No Load	
Ingress Protection	IP65	
Working Temperature	-10~45°C	
Cooling	Fan Cooling	
Max. Case Temperature	<60°C@25°C Ambient Temperature	
Surge Protection	1kV DM	
Isolation	Primary to Secondary: 3000Vac/10mA max./60s Primary to Earth: 1500Vac/10mA max./60s Secondary to Earth: 500Vac/10mA max./60s	
Dimensions (LxWxH)	178x162x48mm	178x162x48mm
Weight	2kg	2kg

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