



Description

Powerland's "Saber" series 60V/72V 840W/1000W 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-motorcycles, e-boat, e-machines, etc.



Applications

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

Features

- Universal AC Input
- Output Power: 840W/1000W
- Ultra High Reliability
- Ultra High Efficiency
- Ultra High Power Factor
- 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

Specifications

Model	PLD840-EVCS25-84	PLD1000-EVCM01-8312
Output Voltage	53~84V	40~84V
	72V	60V & 72V
Output Current	10A	8.4A/12A
Max. Output Voltage	84V	84V
Current Accuracy	± 5%	± 4%
Voltage Accuracy	± 0.5%	± 0.3V
Output Power	840W	1000W
Input Voltage	185~264Vac	90~264Vac
Input Frequency	47~63Hz	
Max. Input Current	6.5A @230Vac	5A @230Vac
Max. Input Power	950W	1075W
Efficiency	94%	93%
Power Factor	0.95	
Communication	CAN	
Protections	OVP, OCP, SCP, OTP, RCP	
Ingress Protection	IP55	
Working Temperature	-10~40°C	-20~55°C
Cooling	Fan Cooling	
Max. Case Temp.	<65°C @25°C Ambient Temp.	<65°C @25°C Ambient Temp.
Safety	CE	
Surge Protection	2kV/4kV	
Isolation	Primary to Secondary: 3000Vac/10mA max./60s Primary to Earth: 1500Vac/10mA max./60s Secondary to Earth: 500Vac/10mA max./60s	
Dimensions (LxWxH)	163x182x50mm	210x162x51mm
Weight	2kg	3kg