

Descriptions

Powerland's 280W Li-Ion battery chargers are designed with ultra high efficiency, as well as full plastic case enclosure without fan. 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: 170~270Vac
- Output Power: 280W
- Ultra High Reliability
- High Efficiency: Up to 92%
- All-Around Protections: OVP, OCP, SCP, OTP, RCP, RBC
- Timer Off Function
- Low Temperature Start Up @ -20°C
- High Temperature Full Load Operation @ 60°C
- IP65 Ingress Grade

Models

Model Number	Output Power	Output Voltage	Output Current	Output Current Range
PLD280-16CH01	280W	40~69.5V	0.8~1.2A	95~105%Io
PLD280-16CH01-54	280W	27~52.5V	1.5~5.25A	95~105%Io

Electrical Specifications

Model	PLD280-16CH01	PLD280-16CH01-54
Output Voltage	40~69.5V	27~52.5V
Output Current	1.0A@40~49V 4.0A@49~69.5V	2.0A@27~38V 5.0A@38~52.5V
Max. Output Voltage	70.8V	54.6V
Current Accuracy	± 5%	
Voltage Accuracy	± 0.5%	
Output Power	280W	280W
Input Voltage	170~270Vac	
Input Frequency	47~63Hz	
Max. Input Current	3.6A	3.4A
Max. Input Power	319W	319W
Efficiency	92%	
Protections	OVP, OTP, SCP, OCP & Open Circuit Protection	
Ingress Protection	IP65	
Case Material	Metal	
Working Temperature	-20~60°C	
Cooling	Natural Cooling	
Max. Case Temperature	<55°C@25°C Ambient Temperature	
Surge Protection	1kV DM	
Isolation	Primary to Secondary: 3000Vac/10mA max./60s	
Dimensions (LxWxH)	190x88x51mm	
Weight	1.52kg	

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