

## Descriptions

Powerland's 600W 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: 90~264Vac
- Output Power: 600W
- 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 @ -20°C
- High Temperature Full Load Operation @ 45°C
- CAN/RS485 Communication(Optional)
- IP65 Ingress Grade
- Three Years Warranty

## Models

Model Number	Output Power	Output Voltage	Output Current	Output Current Range
PLD600-EVC-24	600W	20~29.2V	20A	95~105%Io
PLD600-EVC-48	600W	36~54.6V	11A	95~105%Io
PLD600-EVC-60	600W	34~71.4V	8.3A	95~105%Io
PLD600-EVC-72	600W	53~84V	7.2A	95~105%Io
PLD600-EVC-102	600W	79~116V	5.2A	95~105%Io
PLD600-EVC-133	600W	97~147.6V	4A	95~105%Io

## Electrical Specifications

Model	PLD600-EVC-24	PLD600-EVC-48	PLD600-EVC-60	PLD600-EVC-72	PLD600-EVC-102	PLD600-EVC-133
Output Voltage	20~29.2V	36~54.6V	34~71.4V	53~84V	79~116V	97~147.6V
Output Current	20A	11A	8.3A	7.2A	5.2A	4A
Max. Output Voltage	29.2V	54.6V	71.4V	84V	116V	147.6V
Current Accuracy	±5%					
Voltage Accuracy	±0.5%					
Output Power	600W	600W	600W	600W	600W	600W
Input Voltage	90~264Vac					
Input Frequency	47~63Hz					
Max. Input Current	7.5A					
Max. Input Power	667W					
Efficiency	94%					
Communication	CAN/RS485 Optional					
Protections	OVP, OCP, SCP, OTP, RCP, Timer, Auto Off @ No Load					
Ingress Protection	IP65					
Working Temperature	-20~45°C					
Cooling	Fan Cooling					
Max. Case Temperature	<40°C@25°C Ambient Temperature					
Surge Protection	2kV DM, 4kV CM					
Isolation	Primary to Secondary: 3000Vac/10mA max./60s Primary to Earth: 1500Vac/10mA max./60s Secondary to Earth: 500Vac/10mA max./60s					
Dimensions (LxWxH)	209x110x75mm					
Weight	<3kg					

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