

Descriptions

Powerland's 150W 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: 180~265Vac
- Output Power: 150W
- Ultra High Reliability
- High Efficiency: Up to 92%
- All-Around Protections: OVP, OCP, SCP, OTP, RCP, RBC
- Timer Off Function
- Vout-Peak $\leq 42.4V$ @ No Load
- Low Temperature Start Up @ $-20^{\circ}C$
- High Temperature Full Load Operation @ $45^{\circ}C$
- IP54 Ingress Grade
- Two/Three Years Warranty (Optional)
- Meet GB17761-2018

Models

Model Number	Output Power	Output Voltage	Output Current	Output Current Range
PLD150-5460300	150W	26~52.5V	4.0A@ $27 \pm 1 \sim 38 \pm 1V$ Output Voltage 3.0A@ $38 \pm 1 \sim 52.5V$ Output Voltage	95~105%Io

Electrical Specifications

Model	PLD150-5460300
Output Voltage	26~54.6V
Output Current	4.0A@ 27 ± 1 ~ 38 ± 1V Output Voltage 3.0A@38 ± 1 ~ 52.5V Output Voltage
Max. Output Voltage	54.6V
Output Voltage @ Open Circuit	<42V@RMS
Current Accuracy	± 5%
Voltage Accuracy	± 0.5%
Output Power	150W
Input Voltage	180~265Vac
Input Frequency	47~63Hz
Max. Input Current	1.8A Max. @ 220Vac Input & Full Load 100mA Max. @ 220Vac Input & No Load
Max. Input Power	166W
Efficiency	92%
Protections	OVP, OCP, SCP, OTP, RCP, RBC, Timer, Auto Off @ No Load
Ingress Protection	IP54
Working Temperature	-20~45°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)	171.4x66.4x51.5mm
Weight	0.562kg

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