

Descriptions

Powerland's 1325W/116V multifunction Li-ion battery charger is designed with built-in intelligent control and extraordinary circuit designs, providing performances of high power density, high reliability, and high efficiency. The module is designed with perfect thermal management, anti-shock technique, and super long life time. This charger offers a solid and safe power conversion for multiple fields such as e-vehicles, e-bikes, e-motorcycles, e-boat, e-balance car, e-tool and other Li-ion battery applications.



Features

- Universal AC Input: 100~264Vac
- Output Power: 1325W
- Cooling: Free Air Cooling
- High Efficiency: Up to 93%
- All-Around Protections: OVP, OCP, SCP, OTP
- Low Temperature Start Up @ -20°C
- High Temperature Full Load Operation @ 50°C
- IP65 Ingress Grade

Models

Model Number	Output Power	Output Voltage	Output Current
PLD1325-EVCC01-116	1325W	70~116V	11.5A

Electrical Specifications

Model	PLD1325-EVCC01-116
Output Voltage	70~116V
Output Current	11.5A
Max. Output Voltage	116V
Current Accuracy	± 5%
Voltage Accuracy	± 1%
Output Power	1325W
Input Voltage	100~264Vac
Input Frequency	47~63Hz
Max. Input Current	14A
Power Factor	≥0.98@110Vac, ≥0.96@220Vac
Efficiency	93%
Communication	CAN
Protections	OVP, OCP, SCP, OTP
Ingress Protection	IP65 (except the connectors)
Working Temperature	-20~50°C
Cooling	Free Air Cooling
Max. Case Temperature	<50°C@25°C Ambient Temperature
EMI	Comply with EN55022 class B
Surge Protection	Line to Line 2kV; Line to Earth 4kV
Isolation	Primary to Secondary: 3000Vac/10mA max./60s Primary to Earth: 1500Vac/10mA max./60s Secondary to Earth: 1200Vac/10mA max./60s
Dimensions (LxWxH)	375x248x44mm
Weight	7kg
Life Time	50,000 Hours at 50°C, 230Vac Input, and Continuous Full Load Output

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