



## Description

Powerland's "Emerald" series 6.6kW on-board Li-ion battery chargers are designed with high power density as well as thermal efficiency and fully potted to help in high-stress environments. With an universal input from 90 to 264Vac, the charger is able to handle a wide range of standard worldwide wall power input voltages and can be used in electric vehicle applications, such as material handling, motorcycles, motorcycles, e-carts and other e-mobility functions.



## Applications

- E-vehicles
- E-motorcycles
- E-boats
- Other e-mobility functions

## Features

- Universal AC Input: 85~264Vac
- Output Power: 6.6kW
- Ultra High Reliable On-Board Design
- Compatible with Liquid Cooling and Air Cooling
- High Efficiency: Up to 95%
- All-Around Protections: OVP, UVP, OTP, SCP, ANTI-REVERSE
- Low Temperature Start Up @ -40°C
- High Temperature Full Load Operation @ 60°C
- IP67 Ingress Grade
- Low Current THD: 3% max.
- CAN Communication

# Specifications

Model	PLD6600-EVCC01-420
Output Voltage	150~420V
Output Current	20A
Max. Output Voltage	420V
Current Accuracy	±2%
Voltage Accuracy	±1%
Output Power	6600W
Input Voltage	85~264Vac
Input Frequency	45~65Hz
Max. Input Current	32A
Max. Input Power	7000W
Power Factor	0.99
Efficiency	95%
Communication	CAN&J1772
Protections	OVP, UVP, OTP, SCP, ANTI-REVERSE
Ingress Protection	IP67
Working Temperature	-40~85°C
Cooling	Liquid Cooling
Max. Case Temp.	85°C @25°C Ambient Temp.
Surge Protection	2kV/4kV
EMI	IEC CISPR 25: 2016 Class3, ECE R10 2016
Isolation	7M ohm. @voltage of 500Vdc to the charger for 60s/500Vdc
Dimensions (LxWxH)	295x185x73mm
Weight	5kg