

Descriptions

Powerland's 3.4kW Li-ion battery charger is designed with ultra high power density, as well as full metal case enclosure. The excellent power conversion efficiency and thermal management provides the on-board standard charger ultra high reliability and super long life time. This series of chargers offer solid and safe power conversions for applications such as e-vehicles, e-motorcycle, etc.

Features

- Universal AC Input: 90~264Vac
- Output Power: 3400W
- Ultra High Reliable On-Board Design
- Compatible with Liquid Cooling and Air Cooling
- High Efficiency: Up to 93%@230Vac
- All-Around Protections: OVP, OCP, SCP, OTP, UVLO, RCP
- Low Temperature Start Up @ -40°C
- High Temperature Full Load Operation @ 85°C Case
- IP66 Ingress Grade
- CAN Communication



Models

Model Number	Input Voltage	Output Power	Output Voltage	Output Current
PLD3400-EVCS02-122F	90~264Vac	3400W	70~122V	34A
PLD3400-EVCS02-122	90~264Vac	3400W	70~122V	34A
PLD3400-EVCS02-84	90~264Vac	3400W	55~84V	40A
PLD3400-EVCS02-84L	90~264Vac	3400W	55~84V	40A
PLD3400-EVCS02-84LJ	90~264Vac	3400W	55~84V	40A
PLD3400-EVCS02-84FJ	90~264Vac	3400W	55~84V	40A

Electrical Specifications

Model	PLD3400-EVCS02-122F	PLD3400-EVCS02-122	PLD3400-EVCS02-84	PLD3400-EVCS02-84L	PLD3400-EVCS02-84LJ	PLD3400-EVCS02-84FJ
Output Voltage	70~122V		55~84V			
Output Current	34A		40A			
Max. Output Voltage	122V		84V			
Current Accuracy	± 3%		± 5%			
Voltage Accuracy	± 1%		± 1V			
Output Power	1700W/3400W					
Input Voltage	90~264Vac					
Input Frequency	45~65Hz					
Power Factor	≥0.98					
Efficiency	93%					
Communication	CAN				CAN&J1772	
Protections	OVP, OCP, SCP, OTP, UVLO, RCP					
Ingress Protection	IP65					
Working Temperature	-40~60°C					
Cooling	Fan Cooling	Liquid Cooling	Fan Cooling	Liquid Cooling		Fan Cooling
Max. Case Temperature	<85°C@25°C Ambient Temperature					
EMI	EN55032 class B					
Surge Protection	2kV/4kV					
Isolation	Primary to Secondary: 3000Vac/10mA max./60s Primary to Earth: 1500Vac/10mA max./60s Secondary to Earth: 500Vac/10mA max./60s					
Dimensions (LxWxH)	Liquid Cooling : 240x187x43.5mm Air Cooling: 240x187x70mm					
Weight	Liquid Cooling : 4.9kg Air Cooling: 5.2kg					
Life Time	80,000 Hours at 25°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.