



Description

Powerland's "Armor" series 58V/70V/84V 430~1000W Li-Ion battery chargers are designed with ultra high efficiency, as well as metal case enclosure with fan. The extraordinary performances of low power dissipation and water proof provide the charger high reliability and super long life time. This charger offers solid and safe power conversions for applications such as electric motorcycles, e-boat, e-machines, etc.



Applications

- E-motorcycles
- E-boats
- E-machines

Features

- Input AC Input : 90~264Vac
- Output Power: 430~700W
- Cost-effective Features
- High Thermal Performance
- Ultra High Reliability
- High Efficiency: Up to 93%
- IP65 Ingress Protection
- Ultra High Power Factor
- All-Around Protections: OVP, UVP, SCP, OCP, OTP, RCP
- With LED Indicator
- UL, CE, KC, PSE, CB, GS, SAA
- RS485/CAN/Enabled Function Optional

Specifications

Model	PLD430-EVAX01-05808SC	PLD430-EVAX01-07406SC	PLD430-EVAX01-07406SC
Output Voltage	29~54.6V	40~72.4V	50~84V
Output Current	10A	8A	6A
Max. Output Voltage	54.6V	72.4V	84V
Current Accuracy	±0.3A		
Voltage Accuracy	±0.2V		
Output Power	430W		
Input Voltage	90~264Vac		
Input Frequency	45~65Hz		
Max. Input Current	2.0A Max @230Vac		
Max. Input Power	490W		
Power Factor	0.97		
Efficiency	93%		
Communication	CAN/RS485/Enabled Functions/Customized		
Ingress Protection	IP65		
Protections	OVP, UVP, SCP,OCP, OTP,RCP		
Cooling	Fan Cooling		
Working Temperature	-20~45°C		
Max. Case Temp.	85°C @25°C Ambient Temp.		
Safety	UL, CE, KC, PSE, CB, GS, SAA		
EMI	EN55022 Class B, EN55032 Class B		
Surge Protection	1kV/2kV		
Isolation	Primary to Secondary: 3000Vac 10mA max./60s Primary to Earth: 1500Vac 10mA max./60s Secondary to Earth: 500Vac 10mA max./60s		
Dimensions (LxWxH)	237x109x76.6mm		
Weight	<3kg		

Specifications

Model	PLD600-EVAX01-05810SC	PLD600-EVAX01-07408SC	PLD600-EVAX01-08507SC
Output Voltage	29~54.6V	40~72.4V	50~84V
Output Current	15A	10A	8A
Max. Output Voltage	54.6V	72.4V	84V
Current Accuracy	±0.3A		
Voltage Accuracy	±0.2V		
Output Power	600W		
Input Voltage	90~264Vac		
Input Frequency	45~65Hz		
Max. Input Current	2.83A Max @230Vac		
Max. Input Power	680W		
Power Factor	0.97		
Efficiency	93%		
Communication	CAN/RS485/Enabled Functions/Customized		
Ingress Protection	IP65		
Protections	OVP, UVP, SCP,OCP, OTP,RCP		
Cooling	Fan Cooling		
Working Temperature	-20~45°C		
Max. Case Temp.	85°C @25°C Ambient Temp.		
Safety	UL, CE, KC, PSE, CB, GS, SAA		
EMI	EN55022 Class B, EN55032 Class B		
Surge Protection	1kV/2kV		
Isolation	Primary to Secondary: 3000Vac 10mA max./60s Primary to Earth: 1500Vac 10mA max./60s Secondary to Earth: 500Vac 10mA max./60s		
Dimensions (LxWxH)	237x109x76.6mm		
Weight	<3kg		

Specifications

Model	PLD1080-EVCT01-54	PLD1700-EVCT02-86
Output Voltage	40~72.4V	50~84V
Output Current	15A	12A
Max. Output Voltage	72.4V	84V
Output Power	1080W	1700W
Max. Input Power	1220W	1950W
Max. Input Current	5.5A Max @230Vac	8.5A Max @230Vac
Input Voltage	180~264Vac	
Working Temperature	-10~40°C	
Current Accuracy	±0.3A	
Voltage Accuracy	±0.2V	
Input Frequency	45~65Hz	
Power Factor	0.98	
Efficiency	92%	
Communication	CAN/RS485/Enabled Functions/Customized	
Ingress Protection	IP65	
Protections	OVP, UVP, SCP,OCP, OTP,RCP	
Cooling	Fan Cooling	
Max. Case Temp.	65°C @25°C Ambient Temp.	
Safety	UL, CE, KC, PSE, CB, GS, SAA	
EMI	EN55022 Class B, EN55032 Class B	
Surge Protection	1kV/2kV	
Isolation	Primary to Secondary: 3000Vac 10mA max./60s Primary to Earth: 1500Vac 10mA max./60s Secondary to Earth: 500Vac 10mA max./60s	
Dimensions (LxWxH)	237x109x76.6mm	
Weight	<3kg	