



Description

Powerland's "Oasis" series 36V/48V 71~108W Li-ion battery charger is designed with high efficiency, as well as full plastic case enclosure without fan. The extraordinary performance of low power dissipation provides the charger high reliability and super long life time. With global safety certifications, this charger offers solid and safe power conversions for applications worldwide, such as electric tools, e-scooters, e-bikes, Li-ion battery packs etc.



Applications

- E-scooter
- E-bikes

Features

- Universal AC Input: 90~264Vac
- Output Power: 71~108W
- Ultra High Reliability
- High Efficiency
- Lightning Protection
- All-Around Protections: UVP, OVP, SCP, OCP, OTP
- With LED Indicator
- Global Safety Certification: UL, CE, CCC, KC, PSE, CB, GS, SAA

Specifications

Model	PLD070-EVCN03-48	PLD071-EVCN88-42
Output Voltage	28~54.6V	25~41.8V
Output Current	1.3A	1.7A
Max. Output Voltage	54.6V	41.8V
Current Accuracy	$\pm 5\%$	
Voltage Accuracy	$\pm 0.2V$	
Output Power	70W	71W
Input Voltage	90~264Vac	
Input Frequency	47~63Hz	
Max. Input Current	1A @230Vac	0.9A @230Vac
Max. Input Power	76W	78W
Efficiency	90%	
Protections	UVP、OVP、SCP、OCP、OTP	
Ingress Protection	IP42	
Working Temperature	-10~40°C	
Max. Case Temperature	80°C	85°C
Cooling	Natural Cooling	
Safety	UL, CE, CCC, KC, PSE, CB, GS, SAA	
Surge Protection	2kV/4kV	
Isolation	Primary to Secondary: 3000Vac 10mA max./60s	
Dimensions (LxWxH)	137x60.2x36mm	133x59x32.8mm
Weight	400g	

Specifications

Model	PLD085G-5460156	PLD085G-4200200
Output Voltage	35.5~54.6V	27~42V
Output Current	1.56A	2A
Max. Output Voltage	54.6V	42V
Current Accuracy	$\pm 5\%$	
Voltage Accuracy	$\pm 1\%$	
Output Power	85W	85W
Input Voltage	90~264Vac	
Input Frequency	47~63Hz	
Max. Input Current	1.1A @230Vac	
Max. Input Power	96W @230Vac	
Efficiency Standards	DoE Level VI, CoC V5.0	
Efficiency	88% min. @100~240Vac, 25°C	
No-Load Consumption	$\leq 0.21W$ @110Vac/220Vac	
Protections	OVP, OCP, SCP, OTP	
Working Temperature	-10~40°C	
Cooling	Natural Cooling	
Safety	GB4943.1/4706.1, IEC60950-1/60335(CE/CB/GS/PSE/KC), UL60950-1/1310	
EMI	EN55022 Class B, EN55032 Class B	
LED Indicator	Charging: Red, Battery Full: Green	
Isolation	Primary to Secondary: 3000Vac/10mA max./60s	
Dimensions (LxWxH)	137x57.5x34.5mm	
Weight	350g	

Specifications

Model	PLD108-EVCN08-54020
Output Voltage	26~54.4V
Output Current	2A
Max. Output Voltage	54.6V
Current Accuracy	± 5%
Voltage Accuracy	± 0.2V
Output Power	108W
Input Voltage	90~264Vac
Input Frequency	47~63Hz
Max. Input Current	0.7A Max.@230Vac
Max. Input Power	120W
Power Factor	0.95
Efficiency	89%
Protections	OTP, SCP, OVP, RCP, Open Circuit Protection, Overcharge Protection, Timing Protection
Ingress Protection	IP42
Working Temperature	-10~40°C
Max. Case Temp.	75°C
Cooling	Natural Cooling
Safety	UL, CE, CCC, KC, PSE, CB, GS, SAA
Surge Protection	1kV
Isolation	Primary to Secondary: 3750Vac / 10mA max./60s
Dimensions (LxWxH)	191x86x51.6mm
Weight	588g