



Description

Powerland's "Mercury" series 48V 150~280W Li-Ion battery chargers are designed with ultra high efficiency, as well as full plastic case enclosure without 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 tools, e-bikes, e-motorcycles, etc.



Applications

- E-bikes
- E-motorcycles

Features

- Universal AC Input: 90~264Vac
- Output Power: 150~280W
- Ultra High Reliability
- High Efficiency
- High Temperature Full Load Operation @ 50°C
- All-Around Protections: OTP, SCP, OVP, RCP, Open Circuit Protection, Overcharge Protection, Timing Protection
- Low Temperature Start Up @ -20°C
- IP65 Ingress Grade

Specifications

Model	PLD160-EVHX01-05403NY	PLD210-EVNX02-05404NW	PLD280-EVHX01-05405NB
Output Voltage	26~54.6V		
Output Current	3A	4A	5.2A
Max. Output Voltage	54.6V(Programmable)		
Current Accuracy	±5%		
Voltage Accuracy	±0.2V		
Output Power	160W	210W	280W
Input Voltage	185~264Vac		
Input Frequency	47~63Hz		
Max. Input Current	0.74A Max.@230Vac		
Max. Input Power	175W	230W	300W
Power Factor	0.6		
Efficiency	92%	93%	
Communications	OTP, SCP, OVP, RCP, Open Circuit Protection, Overcharge Protection, Timing Protection		
Protections	RS485/Enabled/Customized		
Ingress Protection	IP65		
Working Temperature	-10~40°C		
Cooling	Natural Cooling		Fan Cooling
Max. Case Temp.	75°C		
Safety	CCC		
Surge Protection	1kV/2KV		
Isolation	Primary to Secondary: 3750Vac / 10mA max./60s		
Dimensions (LxWxH)	171x87x47.5mm		170x76.5x48mm
Weight	722g	930g	720g

Specifications

Model	PLD280-EVHX01-05405NB	PLD280-EVCN12-58	PLD280-EVCN12-72
Output Voltage	26~54.6V	26~59V	46~72V
Output Current	5A		4A
Max. Output Voltage	54.6V	58.8V	71.3V
Current Accuracy	±5%		
Voltage Accuracy	±0.2V		
Output Power	280W		
Input Voltage	180~264Vac	90~264Vac	
Input Frequency	47~63Hz		
Max. Input Current	1.35A Max.@230Vac		
Max. Input Power	310W	320W	
Power Factor	0.8	0.95	
Efficiency	91%		
Communications	RS485/Enabled/Customized		
Protections	OTP, SCP, OVP, RCP, Open Circuit Protection, Overcharge Protection, Timing Protection		
Ingress Protection	IP55	IP65	
Working Temperature	-10~40°C		
Cooling	Natural Cooling		
Max. Case Temp.	75°C		
Safety	CCC	UL, CE, KC, PSE, CB, GS, SAA	
Surge Protection	1kV/2kV		
Isolation	Primary to Secondary: 3750Vac / 10mA max./60s		
Dimensions (LxWxH)	169.5x76.5x46mm	234x88x51mm	
Weight	550g	1.92kg	