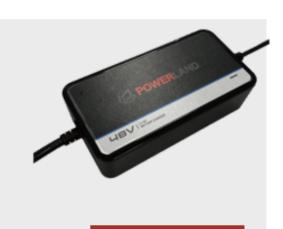


## **Description**

Powerland's "Mercury" series 48V 150~280W Li-lon 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%	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℃				
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			