

215 Watt Li-Ion Battery Charger Data Sheet



Description:

Green Watt Power’s “Black Diamond” series 48V Li-ion battery chargers are designed with high efficiency, as well as having a full metal case enclosure. The extraordinary performances of low-power dissipation and waterproof provide high reliability and long life time. This series of chargers offer solid and safe power conversion for applications such as e-vehicles, e-bikes, e-motorcycles, e-boat, e-machines, etc.

Features:

- Universal AC Input: 90~264Vac
- Output Power: 215W
- Ultra High Reliability
- High Efficiency: Up to 92.5%
- All-Around Protections: OVP, OCP, SCP, OTP
- Low Temperature Start Up @ -20oC
- High Temperature Full Load Operation @ 50oC
- IP65 Ingress Grade
- Designed to meet the CE, PSE, and Korean Certification Requirements



Input & Output Specifications	
Model	EVC-40-215 (PLD215-EVCN09-5404)
Output Voltage	26-54V
Output Current	4.0A
Current Accuracy	±5%
Voltage Accuracy	±0.5%
Output Power	215W
Input Voltage	90~264Vac
Input Freq.	47~63Hz
Max. Input Current	2.3A@115Vac 1.15A@230Vac
Max. Input Pwr.	235W
Power Factor	>0.97@115Vac >0.95@230Vac
THD	20%Max
Efficiency	90.5%@115Vac 92.5%@230Vac

Protections	OVP, OCP, SCP, OTP
Ingress Protection	IP65
Working Temp.	-20~50°C
Cooling	Natural Cooling
Max. Case Temp.	<55°C@25°C Ambient Temperature
EMI	EN55014
Surge Protection	1kV DM, 2kV CM
Isolation	<u>Primary to Sec.:</u> 3750Vac/10mA max./60s <u>Primary to Earth:</u> 1500Vac/10mA max./60s <u>Secondary to Earth:</u> 500Vac/10mA max./60s
Dimensions (LxWxH)	210x88x51mm
Weight	1.92kg
Life Time	30,000 Hours at 25°C, 230Vac Input, and Continuous Full Load Output

Note: The data are based on 25°C ambient temperature, 230Vac input voltage and full load. Model numbers in parenthesis are factory numbers