

# 800~1000W Electric Vehicle Charger Data Sheet



Green Watt/Powerland's 840W and 1000W Li-ion battery chargers are designed with ultra high efficiency. The extraordinary performance of low power dissipation provides the charger with high reliability and long life time. This series of chargers offer solid and safe power conversions for applications such as e-vehicles, e-motorcycles, e-boat, e-machines, etc.

## Features:

- Universal AC Input (185~265Vac or 90~264Vac)
- Output Power: 840W/1000W
- Ultra High Reliability
- High Efficiency: Up to 94%
- All-Around Protections: OVP, OCP, SCP, OTP, RCP
- Low Temperature Start Up @ -20°C
- High Temperature Full Load Operation @ 50°C



General Specifications		
Model Number	EVC-82-840 (PLD840-EVCN12-82)	EVC-82-1000 (PLD1000-EVCN12-82)
Output Voltage	50-82.4V	50-82.4V
Output Current	10A	12A
Max. Output Voltage	82.4V	82.4V
Output Voltage @ Open Circuit	82.4V	82.4V
Current Accuracy	±5%	±5%
Voltage Accuracy	±0.5%	±0.5%
Output Power	840W	1000W
Input Voltage	90~264Vac	185~264Vac
Input Frequency	47~63Hz	47~63Hz
Max. Input Current	9.7A@115Vac 4.9A@230Vac	5.9A@230Vac
Max. Input Power	913W@115Vac 893W@230Vac	1064W
Power Factor	>0.97@115Vac >0.95@230Vac	N/A
Efficiency	92%@115Vac 94%@230Vac	94%@230Vac
Protections	OVP, OCP, SCP, OTP, RCP, Timer, Auto Off @No Load	OVP, OCP, SCP, OTP, RCP, Timer, Auto Off @No Load
Working Temperature	-20~50°C	-20~50°C
Cooling	Fan Cooling	Fan Cooling
Max. Case Temperature	<60°C@25°C Ambient Temperature	<60°C@25°C Ambient Temperature
Surge Protection	1kV DM / 2kV CM	1kV DM / 2kV CM
Isolation	Primary to Secondary: 3000Vac/10mA max./60s Primary to Earth: 1500Vac/10mA max./60s Secondary to Earth: 500Vac/10mA max./60s	Primary to Secondary: 3000Vac/10mA max./60s Primary to Earth: 1500Vac/10mA max./60s Secondary to Earth: 500Vac/10mA max./60s
Dimensions (LxWxH)	353.5x143.3x105.2mm	353.5x143.3x105.2mm
Weight	4.5kg	4.5kg

\* Unless otherwise noted, the data are based on 25°C ambient temperature, 230Vac input voltage and full load.