

## Descriptions

Powerland's 7.2kW super capacitor chargers are designed with ultra high efficiency, as well as built-in intelligent control chip. The extraordinary performances of circuit design provide the charger with high power density and high conversion efficiency. This series of chargers offer solid and safe power conversions with air cooling, with super long life time for wide applications in super capacitor and battery charging applications.

## Features

- Input Voltage: 310~580Vac
- Output Power: 7200W
- Ultra High Reliability
- Ultra High Efficiency: Up to 96%
- All-Around Protections: Phase Lack, OVP, UVLO , SCP, OTP
- Compatible with Air Cooling
- Low Temperature Start Up @ -40°C
- High Temperature Full Load Operation @ 50°C
- IP20 Ingress Grade
- CAN Communication



## Models

Model Number	Output Power	Output Voltage Range	Output Current
PLD9080	7200W	0~90V	80A

## Electrical Specifications

<b>Model</b>	<b>PLD9080</b>
<b>Output Voltage</b>	0~90V
<b>Output Current</b>	80A
<b>Max. Output Voltage</b>	90V
<b>Current Accuracy</b>	<± 1% @ Iout>2A
<b>Voltage Accuracy</b>	<± 0.5%
<b>Output Power</b>	7200W
<b>Input Voltage</b>	310~580Vac
<b>Input Frequency</b>	45~65Hz
<b>Max. Input Current</b>	15A
<b>Power Factor</b>	≥0.93
<b>Efficiency</b>	96%
<b>Communication</b>	CAN
<b>Protections</b>	Phase Lack, OVP, UVLO , SCP, OTP
<b>Ingress Protection</b>	IP20
<b>Working Temperature</b>	-40~50°C
<b>Cooling</b>	Forced Air Cooling
<b>EMI</b>	EN55022 Class A, EN55032 Class A
<b>Surge Protection</b>	2kV/4kV
<b>Isolation</b>	Primary to Secondary: 2800Vdc/10mA max./60s
<b>Dimensions (LxWxH)</b>	480x320x138mm
<b>Weight</b>	15kg

\* Unless otherwise noted, the data are based on 25°C ambient temperature, 380Vac input voltage and full load.