

Powerland's 300~680VA Pre-Regulator Series is designed for North American ultra-high voltage AC grid. This series of products serves as a perfect tuner after the high-voltage AC utility line, providing an optimized voltage for the LED drivers as well as other power supplies.

Applications

- LED lighting with ultra-high input AC voltage
- Other applications with ultra-high input AC voltage



Features

- Ultra-high input voltage: 347Vac/400Vac/480Vac
- Ultra-high efficiency: up to 98.0%
- IP67 ingress grade
- Low temperature start up @ -40 °C
- High temperature full load operation @ 60 °C



Specification

Model	PLD300-AA480-300	PLD340-AA400-300	PLD680-AA347-277	PLD680-AA400-300	PLD680-AA480-300
Rated Power	300VA	340VA	680VA	680VA	680VA
Input Voltage	480Vac ± 10%	400Vac ± 10%	347Vac ± 10%	400Vac ± 10%	480Vac ± 10%
Output Voltage	300Vac	300Vac	277Vac	300Vac	300Vac
Output Current	1.0A	1.13A	2.46A	2.27A	2.27A
Isolation	Input & Output to Case 3000Vac / 1min				
Output Voltage Accuracy	± 10%	± 10%	± 10%	± 10%	± 10%
Efficiency	97.5%	98.0%	98.0%	98.0%	97.5%
Operating Temp	-40~60°C	-40~60°C	-40~60°C	-40~60°C	-40~60°C
Cooling	Free Air Cooling	Free Air Cooling	Free Air Cooling	Free Air Cooling	Free Air Cooling
Dimensions	100x74x45mm	84x74x45mm	120x74x53mm	120x74x53mm	120x85x53mm
Waterproof	IP67	IP67	IP67	IP67	IP67
Weight	1.1kg	0.85kg	1.5kg	1.5kg	1.8kg

* Based on 25°C ambient temperature, rated input voltage, and full load.