

PFC Single Output Switchers

SL SERIES

300-600 Watts



CE Marked - LVD

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Medical Versions Available

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PFC Input

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High Load Surge Rated

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Power Share Facility as Standard

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Power Fail Signal, Remote Off

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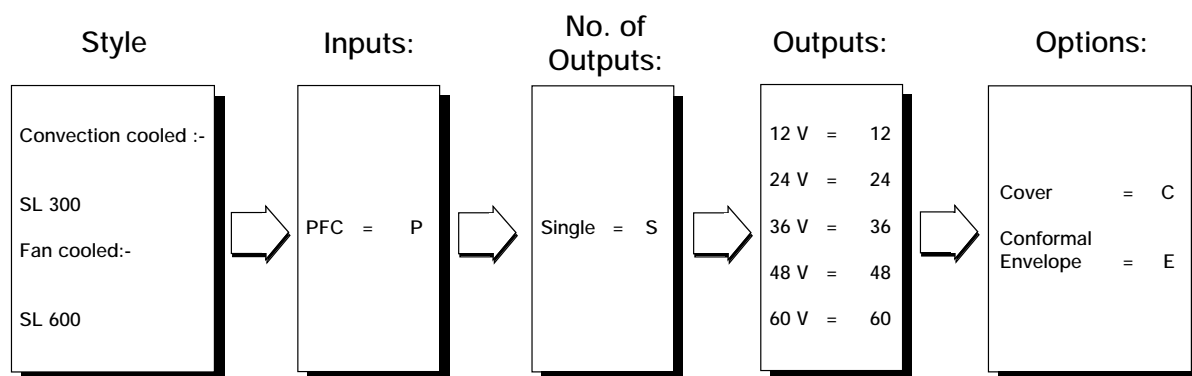
Semi Modular Design

Specification

Input Voltage	• 90-264 V AC (125-370 V DC)
Input Frequency	• 44-66 Hz/DC
Inrush Current	• 100 A peak @ 230 V
Hold Up Time	• 28 ms - 300 W, 18 ms - 600 W
Earth Leakage Current	• <2.5 mA
Line Regulation	• <0.5%
Load Regulation	• <1% for 0-100% load change
Dynamic Regulation	• 1% max. for a 10% load change
Output Ripple & Noise	• 1% max. p-p
Overload Protection	• Constant current @ approx. 110%I _{nom}
Overvoltage Protection	• 120% approx. V _{nom}
Efficiency	• 75-85%
Operating Temperature	• 0 °C to +40 °C, derate to +70 °C, consult technical sales for individual models -20 °C with conformal envelope
Storage Temperature	• -25 °C to +85 °C
Temperature Coefficient	• 0.02%/°C
EMC	• EN55022 level B conducted & level A radiated noise
Immunity	• EN61000-4-2 levels 3 & 4, EN61000-4-4 & -5 level 3
Safety Approvals	• Units are designed to meet stringent International Safety Standards and are designed to meet IEC 950 class I construction.
MTBF	• Typically > 80,000 hrs to MIL-HDBE-217E @ 20 °C - consult office for each model

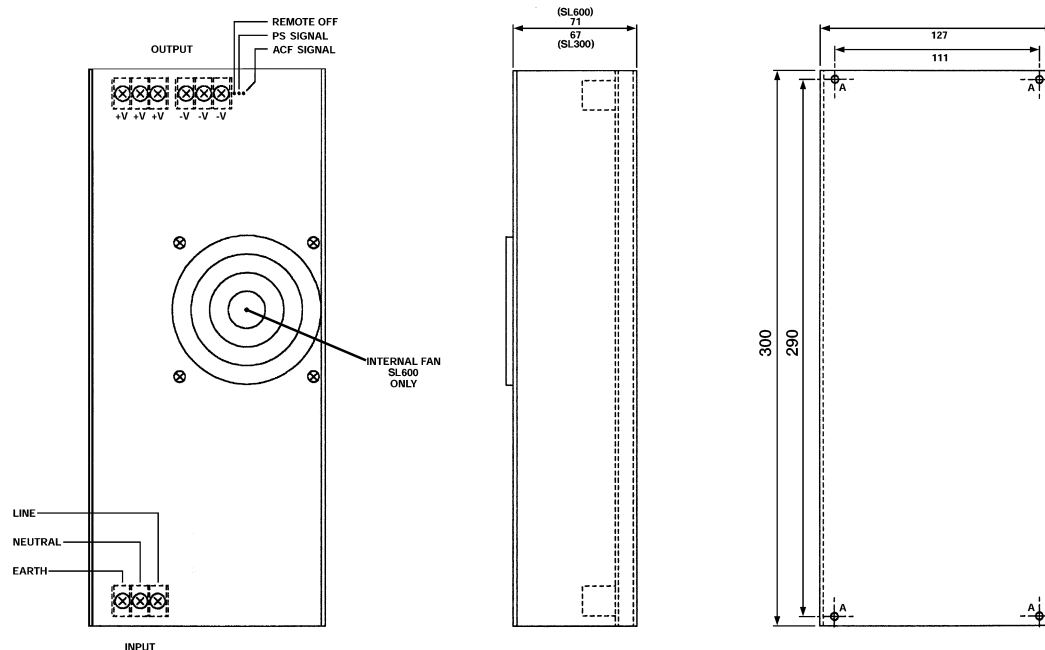
Output Voltage & Current Ratings

	12 V Output	24 V Output	36 V Output	48 V Output	60 V Output
300 W	SL300PS12-C 12 V @ 25 A	SL300PS24-C 24 V @ 12 A	SL300PS36-C 36 V @ 8 A	SL300PS48-C 48 V @ 6 A	SL300PS60-C 60 V @ 5 A
600 W	SL600PS12-C 12 V @ 50 A	SL600PS24-C 24 V @ 24 A	SL600PS36-C 36 V @ 16 A	SL600PS48-C 48 V @ 12 A	SL600PS60-C 60 V @ 10 A

Basic Single Output 'U' Chassis Power Supplies

The 'SL' series has been developed for cost sensitive applications without compromising performance and includes the following features :

1. Power factor corrected (PFC) universal input
2. Safety cover
3. Adjustable output voltage
4. ACF signal
5. Power share for parallelling

Mechanical Details

Connectors
 Input & Output - 9.5mm Pitch M4 Barrier Block
 Signals - 3 x 1 mm Pins 2.54 mm Pitch (ROF, Power Share & AC Fail)
 Fixings (Ref 'A')
 M3 ISO Metric
 (Screws must not penetrate unit by more than 5mm)

Weight: SL300 : 1.7 Kg
 SL600 : 1.9 Kg