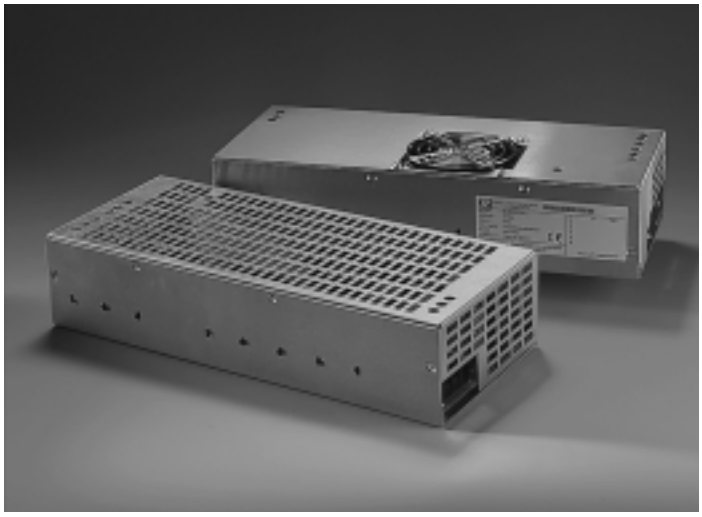
# PFC Single Output Switchers

## *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%Inom |
| Overvoltage Protection | • | 120% approx. Vnom |
| 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 |

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## Output Voltage & Current Ratings

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

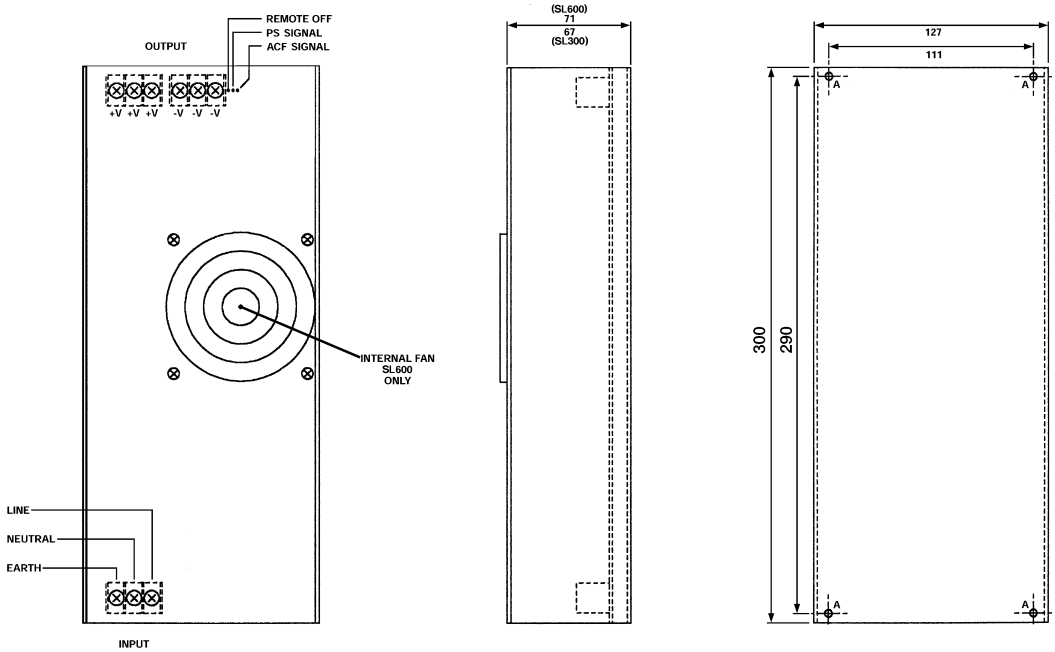
## Basic Single Output 'U' Chassis Power Supplies

| Style | Inputs: | No. of Outputs: | Outputs: | Options: |
|---|---|---|---|---|
| Convection cooled :-<br>SL 300<br>Fan cooled:-<br>SL 600 | PFC = P | Single = S | 12 V = 12<br>24 V = 24<br>36 V = 36<br>48 V = 48<br>60 V = 60 | Cover = C<br>Conformal Envelope = E |

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