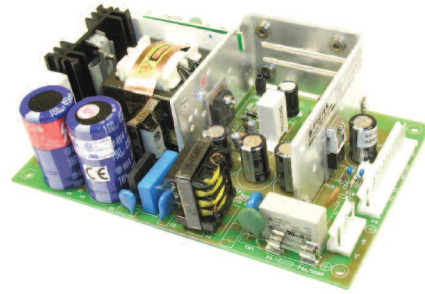


# PU Series

30-450 WATTS - AC/DC MULTIPLE OUTPUT

## FEATURES

- Dual, triple and quad outputs
- Full range AC input voltage
- Input surge current protection
- Over voltage and over current protection
- Standard open pcb and U bracket models
- Enclosed units with fan cooling options
- Power fail detect signal and inhibit signals  
PU110, PU201-PU450 models



## SPECIFICATIONS

INPUT	
Voltage	90-264VAC
Frequency	47-63Hz
Inrush current (rms)	PU42: 0.9A@115V, 0.5A@230V PU60: 1.3A@115V, 0.7A@230V PU110: 3.2A@115V, 1.8A@230V PU151: 2.0A@115V, 1.0A@230V PU201: 3.2A@115V, 1.6A@230V PU300: 4.7A@115V, 2.3A@230V PU450: 7.1A@115V, 3.5A@230V
Inrush current at 25°C cold start	PU42: 25A@115V, 50A@230V PU60-PU151: 30A@115V, 60A@230V PU110: 15A@115V, 30A@230V PU201: 20A@115V, 50A@230V PU300: 30A@115V, 60A@230V PU450: 40A@115V, 80A@230V
Power factor	PU300-PU450: 0.98 typical
Earth leakage current	150 - 240µA @ 264VAC, 63Hz, model dependant
Isolation	Input – Output: 3000VAC Input – Ground: 1500VAC Output – Ground: 500VAC
OUTPUT	
Voltage	See table
Current	See table
Ripple & noise	PU42-PU60: 100mVp-p on 3.3V & 5.0V models, 1% p-p maximum on other models PU110-PU450: 1% p-p maximum, all models
Line regulation	+/- 0.2% to +/- 0.5% maximum at full load, model dependant
Load regulation	See tables, tolerance
Efficiency	70 – 88% minimum, model dependant
Overvoltage protection	Provided on output #1 only, set at 112-140%, model dependant

Overcurrent protection	All outputs protected for short circuit conditions
Temp. coefficient	All outputs ±0.04% per °C
Transient response	Maximum excursion 4% recovering to 1% within 500µS after 25% load change
Holdup time	10 – 20ms @ 110VAC, model dependant
MTBF	270,000 – 400,000hours @ full load, 25°C
Power fail signal	PU110, PU200-PU450: TTL logic high for normal operation and TTL logic low upon loss of input power
Inhibit	PU201-PU450: Requires an external TTL high level signal to inhibit outputs
Fan power	PU151-PU450: 12V@ 100mA – 1A, isolated, model dependant

ENVIRONMENT	
Operating temperature	0 - 70°C. Derate from 100% at 50°C linearly to 50% @ 70°C
Storage temperature	-40°C - +85°C
Relative humidity	5% - 95% non condensing

STANDARD	
Safety standards	UL60950, CSA C22.2 No.60950-1, TUV EN 60950-1
C-Tick	AS/NZS CISPR11 Group 1, Class A
EMC standards	EN55022, FCC, VCCI, Class B conducted, Class B radiated
EMC immunity	EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4.5, EN61000-4-6, EN61000-4.8, EN61000-4-11

MECHANICAL	
Connector type	PU42-PU151: Molex pins & housings, supplied with PSU, PU201-PU450: Screw terminals
Size and weight	See mechanical drawing and notes