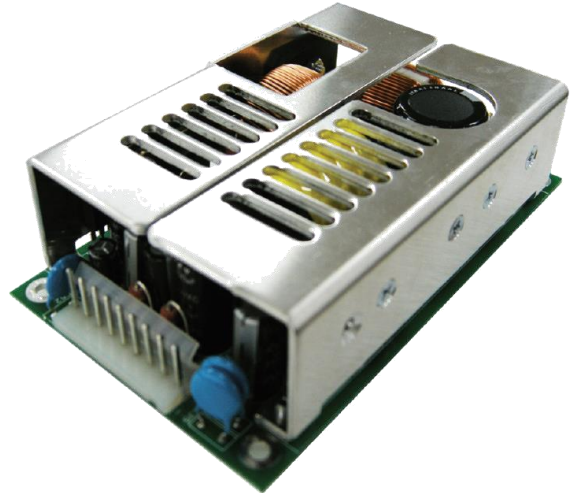


## PSU-100 Series

### Product Features:

- Universal AC Input
- Meets FCC & EN Class B EMI
- Industry Standard 3 x 5" Footprint
- Low 1.36" Profile for 1U High Applications
- World Wide Safety Approval
- Compact Size 3" x 5"
- Convection Cooled



### Input Specifications:

VOLTAGE	Universal Input ( 90 ~ 264VAC)
FREQUENCY	47-63Hz
INRUSH	60A @ 230V AC (Max Cold Start)
CURRENT	0.6 A @ 230 VAC (Max Continuous)
PROTECTION	Single 3.15A Fuse / 250 VAC
LEAKAGE	0.2mA Max @ 264 VAC
HOLD-UP	20ms Minimum (230 VAC & Full Load)
EFFICIENCY	≥ 80% Typical, High Line, Full Load.
HARMONICS	EN61000-3-2 Class D Compliant (>98% PF)

### Output Specifications:

ADJUSTMENT RANGE	Factory Adjusted (see table)
MINIMUM LOAD	None
LINE REGULATION	±0.5% (Max, over entire input range)
LOAD REGULATION	±0.5% Maximum
TEMP REGULATION	±0.1% Maximum
RIPPLE	±2.0% (p-p, max)
SETPOINT ACCURACY	±0.5%
EXCURSION	±5% Max for 25% Step Load
RECOVERY	100ms Maximum
OVER CURRENT	115~135% (Auto Recovery)
OVER VOLTAGE PROTECTION	105~115% (Recycle input to reset)

### General Specifications:

OPERATING TEMP.	-20 ~ +70°C (Derate 2.5% per °C above 50°C)
STORAGE TEMP.	-40°C ~ +85°C
COOLING	Convection
HUMIDITY	5% ~ 95% (Non-condensing)
VIBRATION	10-55Hz, 2G, 3min period/60 min each(3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	>100000 Hours (Per Mil STD 217E)
SIZE(Inches)	3.0" x 5.0" x 1.36" (W x L x H) (76.2mm x 127mm x 34.544mm)

### Electromagnetic Compatibility: (TBD)

EMISSIONS	EN55022 Level B (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2,4KV Contact/ 8KV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT / BURSTS	EN61000-4-4,2KV
SURGES	EN61000-4-5, 2kV Earth, 1kV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

### Safety Standards:

UL / CUL 60950-1	60950-1
CE MARK	Low Voltage Directive



## PSU-100 Series

Output Models:	VDC	A(min)	A(max)	VDC	A(min)	A(max)	VDC	A(min)	A(max)
PSU-100-3	3.3V	0A	30A						
PSU-100-5	5V	0A	20A						
PSU-100-12	12V	0A	8.33A						
PSU-100-15	15V	0A	6.67A						
PSU-100-24	24V	0A	4.16A						
PSU-100-48	48V	0A	2.08A						
PSU-100-512	5V	1A	10A	12V	0.5A	4.16A			
PSU-100-515	5V	1A	10A	15V	0.5A	3.33A			
PSU-100-524	5V	.6A	6A	24V	0.25A	2.08A			
PSU-100-5125	5V	1A	10A	12V	0.5A	3A	-5V	.08A	1A
PSU-100-51212	5V	1A	11.5A	12V	0.3A	3A	-12V	0.1A	0.5A
PSU-100-51515	5V	1A	10A	15V	0.3A	2.5A	-15V	.08A	1A

### Outline Drawing:

