



REV: 04112011

ITE / EMBEDDED POWER SUPPLY

## PRODUCT FEATURES:

- **Universal AC Input**
- **Meets FCC & EN Class B EMI**
- **Industry Standard 3" x 5" Footprint**
- **Low 1.36" Profile for 1U Applications**
- **World Wide Safety Approval**
- **Compact size 3" x 5"**
- **Convection Cooled**
- **Safety Certifications Pending, for Full Product Family**



## INPUT SPECIFICATIONS:

VOLTAGE	Universal Input (90 ~ 264VAC)
FREQUENCY	47-63Hz
INRUSH	60A @ 230VAC (Max Cold Start)
CURRENT	0.6A @ 230VAC (Max Continuous)
PROTECTION	Single 3.15A Fuse / 250VAC
LEAKAGE	.2mA Max @ 264VAC
HOLD-UP	20ms Minimum (230VAC & 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 max
OVER-CURRENT	115-135% (Auto-Recovery)
OVER VOLTAGE PROTECTION	105-115% (Recycle input to reset)

## SAFETY STANDARDS:

UL / CUL	60950-1
CE MARK	Low Voltage Directive

## GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-20 ~ +70°C (Derate 2.5% per °C above 50°C)
STORAGE TEMPERATURE	-40 ~ +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	>100,000 Hours (Per Mil STD 217E)
SIZE (INCHES)	3.0" x 5.0" x 1.36" (W x L x H)

## EMISSIONS:

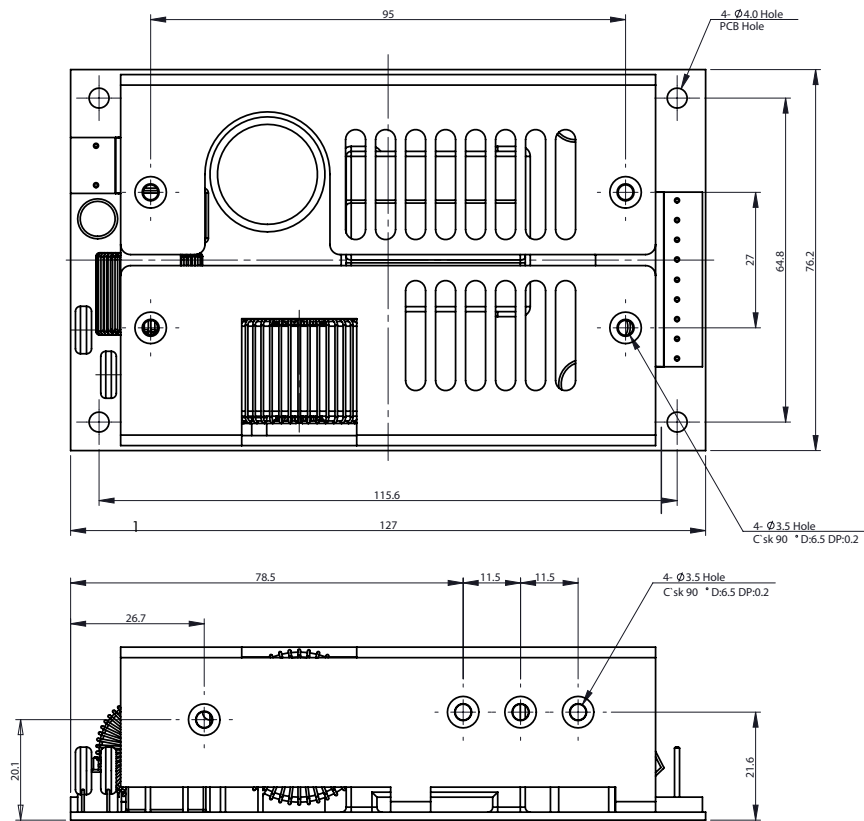
EMISSIONS	EN55022 Level B (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4kV Contact / 8kV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT / BURSTS	EN61000-4-4, 2kV
SURGES	EN61000-4-5, 2kV Earth, 1kV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10,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



## OUTPUT MODELS:

Output Models:	Output #1			Output #2			Output #3			Safety Certification
	VDC	Io (Min)	Io (Max)	VDC	Io (Min)	Io (Max)	VDC	Io (Min)	Io (Max)	
PSU-100-3	3.3V	0A	30A							Pending
PSU-100-5	5V	0A	20A							Pending
PSU-100-12	12V	0A	8.33A							Pending
PSU-100-15	15V	0A	6.67A							Pending
PSU-100-24	24V	0A	4.16A							Pending
PSU-100-48	48V	0A	2.08A							Pending
PSU-100-512	5V	1A	10A	12V	0.5A	4.16A				Pending
PSU-100-515	5V	1A	10A	15V	0.5A	3.33A				Pending
PSU-80-524	5V	0.6A	6A	24V	0.25A	2.08A				Pending
PSU-80-5125	5V	1A	10A	12V	0.5A	3.0A	-5V	0.08A	1A	Pending
PSU-80-51212	5V	1A	11.5A	12V	0.3A	3.0A	-12V	0.1A	0.5A	Pending
PSU-80-51515	5V	1A	10A	15V	0.3A	3.0A	-15V	0.08A	1A	Pending

## OUTLINE DRAWING:



### INPUT

Mated connector : 5195-03 (molex) or equivalent  
Crimp terminal : 2478 or equivalent  
1 - Line ; 3 - Neutral

### OUTPUT

Mated connector : 5195-09 (molex) or equivalent  
Crimp terminal : 2478 or equivalent

### Single

1,2,3,4 - Vout 1  
5,6,7,8, - Vout 1 (GND)

### Dual

1,2,3 Vout 1 4,5 Vout 1 (GND)  
8,9 Vout 2 6,7 Vout 2 (GND)

### Triple

1,2,3 - Vout 1 4,5 - Vout 1 (GND)  
8 - Vout 2 6 - Vout 2 (GND)  
9 - Vout 3 7 - Vout 3 (GND)

