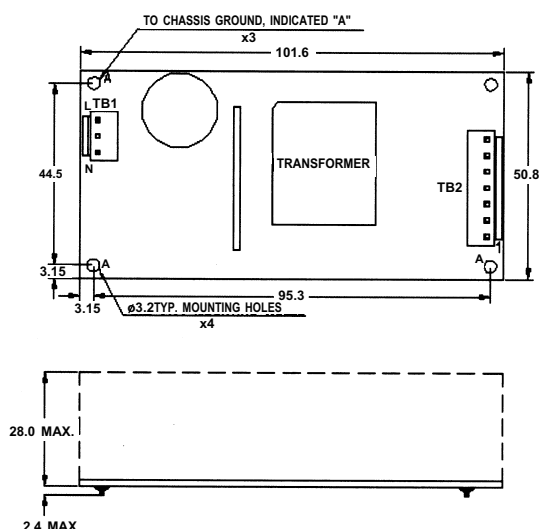




General Specifications:

Input voltage	90VAC to 264VAC
Input frequency.....	47Hz to 63Hz
Inrush current	less than 30A at 115VAC less than 60A at 230VAC
Efficiency	76%~85% depends on models at rated load and 115VAC
Hold up time	14ms typical
Earth leakage current	< 300uA
Over load protection	auto recovery
Short circuit protection	auto recovery

Mechanical Specifications:



Features:

- Only 1.2 inch height
- 4.7 Watt per cubic inch
- With ITE & Medical safety
- Efficiency between 76% to 85%
- Operation from 0°C to 70°C by convection
- Single side PCB for low assembly cost

Over voltage protection	latch off
Operating temperature	0 to 70°C convection derating: 2.5% / °C > 50°C
Cooling	free air convection
Storage temperature	-40°C to +85°C
EMI	FCC "B" EN55022"B", EN55011"B"
EMS	EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety	UL 60950-1, UL 2601 CSA 22.2 No. 60950-1, 601.1 EN 60950-1, EN 60601-1

Notes:

1. Dimensions shown in mm as left. Tolerance: + -1mm (Excluding cables).
2. Size:
50.8 X 101.6 X 30.4 (mm)
2" X 4" X 1.2"
3. Packing
Net weight: 127 g approx. / unit
Gross weight: 12.6 kg approx. / carton, 80 units / carton
Carton size (mm): 382 (L) x 374 (W) x 277 (H)
4. Connectors
AC input: JST B2P3-VH or equivalent
DC output: JST B4P-VH or equivalent for single
JST B6P-VH or equivalent for multiple outputs
5. Output Pin assignment

PIN NO.	1	2	3	4	5	6
SNP-Y041	+5V	+5V	GND	GND	+12V	-12V
SNP-Y043	+5V	+5V	GND	GND	+12V	NC
SNP-Y04D	+3.3V	+3.3V	GND	GND	+5V	+12V
SNP-Y04F	+5V	+5V	GND	GND	+24V	+12V
SNP-Y046	+5V	+5V	GND	GND		
SNP-Y047	+12V	+12V	GND	GND	+5V	NC
SNP-Y047-1	+12V	+12V	GND	GND		
SNP-Y048	+15V	+15V	GND	GND	+5V	NC
SNP-Y048-1	+15V	+15V	GND	GND		
SNP-Y049	+24V	+24V	GND	GND	+5V	NC
SNP-Y049-1	+24V	+24V	GND	GND		
SNP-Y04T	+48V	+48V	GND	GND		
SNP-Y04B	+3.3V	+3.3V	GND	GND		

Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD				VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.	EFFICIENCY TYPICAL
		MIN.	RATED	MAX.	PEAK					
SNP-Y041	+5V	0A	3A	4A	5A	+4.9V~+5.1V	1%	±1%	±3%	80%
	+12V	0A	2A	3A	4A	+11.4V~+12.6V	1%	±1%	±3%	
	-12V	0A	0.3A			-11.4V~-12.6V	1%	±1%	±5%	
SNP-Y04D	+3.3V	0A	4A	5A		+3.2V~+3.4V	50mV	±1%	±3%	76%
	+5V	0A	3A	4A		+4.75V~+5.25V	1%	±1%	±3%	
	+12V	0A	0.3A			+11.4V~+12.6V	1%	±1%	±5%	
SNP-Y043	+5V	0A	3A	4A	5A	+4.9V~+5.1V	1%	±1%	±3%	80%
	+12V	0A	2.3A	3.3A	4A	+11.4V~+12.6V	1%	±1%	±3%	
SNP-Y04F	+5V	0A	3A	4A	6A	+4.95V~+5.05V	1%	±1%	±3%	81%
	+24V	0A	1A	1.5A	2.4A	+22.8V~+25.2V	1%	±1%	±3%	
	+12V	0A	0.3A			+11.4V~+12.6V	1%	±1%	±5%	
SNP-Y046	+5V	0A	7A		10A	+4.95V~+5.05V	1%	±1%	±1%	77%
SNP-Y047	+12V	0A	3.3A		5A	+11.88V~+12.12V	1%	±1%	±1%	80%
	+5V	0A	0.5A			+4.75V~+5.25V	1%	±1%	±1%	
SNP-Y047-1	+12V	0A	3.7A		5A	+11.88V~+12.12V	1%	±1%	±1%	81%
SNP-Y048	+15V	0A	2.6A		4A	+14.85V~+15.15V	1%	±1%	±1%	80%
	+5V	0A	0.5A			+4.75V~+5.25V	1%	±1%	±1%	
SNP-Y048-1	+15V	0A	3A		4A	+14.85V~+15.15V	1%	±1%	±1%	81%
SNP-Y049	+24V	0A	1.7A		2.5A	+23.75V~+24.24V	1%	±1%	±1%	82%
	+5V	0A	0.5A			+4.75V~+5.25V	1%	±1%	±1%	
SNP-Y049-1	+24V	0A	1.9A		2.5A	+23.75V~+24.24V	1%	±1%	±1%	83%
SNP-Y04T	+48V	0A	1A		1.35A	+47.6V~+48.4V	1%	±1%	±1%	85%
SNP-Y04B	+3.3V	0A	7A		10A	+3.26V~+3.33V	50mV	±1%	±3%	76%

Note:

1. At peak load, the output can last for 8 seconds without shut down.
2. The maximum combinational load of SNP-Y04D for +3.3V & +5V is 28W.
3. At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range while the main output is setting to within the specified accuracy range at rated load.
4. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
5. Load regulation is defined by changing ±40% of measured output load from 60% rated load at another output set to 60% rated load.
6. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor at rated load and nominal line.
7. Hold up time is measured from the end of the last charging pulse to the time which the main output drop down to regulation limit at rated load and nominal line.
8. The efficiency is measured at nominal line and rated load.