



6~12W AC-DC Single Output Wall Mount Adaptor

NP12-U series



- Features :
  - Universal AC input / Full range
  - 2 pole USA plug
  - Class II power(without earth pin)
  - Protections: Short circuit /Over load /Over voltage
  - RCC control and regulated
  - Fully enclosed plastic case
  - 100% full load burn-in test
  - Smallest and compact size
  - Pass LPS for 3~12V
  - Approvals: UL /CUL /T-mark
  - 1 year warranty



SPECIFICATION

ORDER NO.	NP1203U-P2I	NP1205U-P2I	NP1206U-P2I	NP1209U-P2I	NP1212U-P2I	
OUTPUT	SAFETY MODEL NO.	NP12-US0320	NP12-US0520	NP12-US0620	NP12-US0913	NP12-US1210
	DC VOLTAGE	3V	5V	6V	9V	12V
	RATED CURRENT	2.0A	2.0A	2.0A	1.3A	1.0A
	CURRENT RANGE	0 ~ 2.0A	0 ~ 2.0A	0 ~ 2.0A	0 ~ 1.3A	0 ~ 1.0A
	RATED POWER	6W	10W	12W	11.7W	12W
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	120mVp-p	200mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	Fixed output				
	VOLTAGE TOLERANCE Note.3	±5.0%	±5.0%	±5.0%	±3.0%	±2.0%
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
LOAD REGULATION Note.5	±4.5%	±4.5%	±4.5%	±2.5%	±1.5%	
SETUP, RISE, HOLD TIME	300ms, 50ms, 20ms at full load					
INPUT	VOLTAGE RANGE	90 ~ 264VAC 135~370VDC				
	FREQUENCY RANGE	47~63Hz				
	EFFICIENCY (Typ.)	70%	73%	77%	80%	81%
	AC CURRENT	0.3A / 110VAC				
	INRUSH CURRENT (max.)	20A / 110VAC				
	LEAKAGE CURRENT (max.)	0.25mA / 240VAC				
PROTECTION	OVER LOAD	150~250% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	140~170%	115~150%	Protection type : Clamp by zener diode		
ENVIRONMENT	WORKING TEMP.	0~+50°C (Refer to output load derating curve)				
	WORKING HUMIDITY	20%~90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-20~+85°C, 10~95% RH				
	TEMP. COEFFICIENT	±0.04% / °C (0~50°C)				
	VIBRATION	10~200Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
SAFETY	SAFETY STANDARDS	UL1950, CSA22.2 Approved				
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P> 100M Ohms / 500VDC				
OTHERS	MTBF	500khrs min. MIL-HDBK-217F(25°C)				
	DIMENSION	54*48*26mm (L*W*H)				
	PACKING	120g ; 110pcs / 17kg / CARTON				
CONNECTOR	PLUG	Standard type P2I: 2.1φ * 5.5φ * 9.5mm, center positive for stock ; Other type available by customer requested				
	CABLE	Standard type AWM1185 .6ft for stock ; Other type available by customer requested				
NOTE	1.All parameters are specified at 110VAC input, rated load, 25°C 70% RH. Ambient. 2.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 3.Tolerance: includes set up tolerance, line regulation, load regulation. 4.Line regulation is measured from low line to high line at rated load. 5.Load regulation is measured from 0% to 100% rated load.					

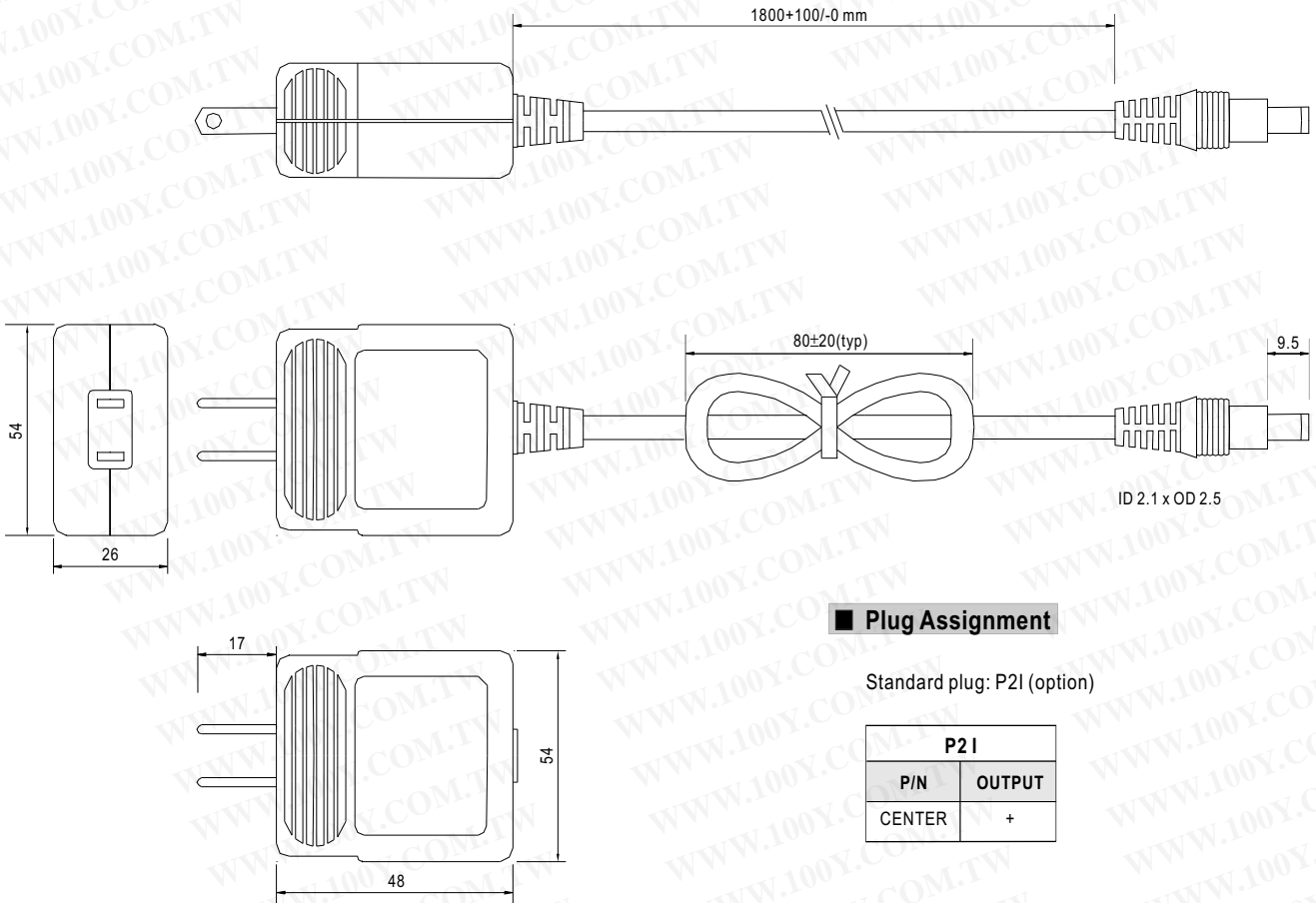


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■ Mechanical Specification

Unit:mm

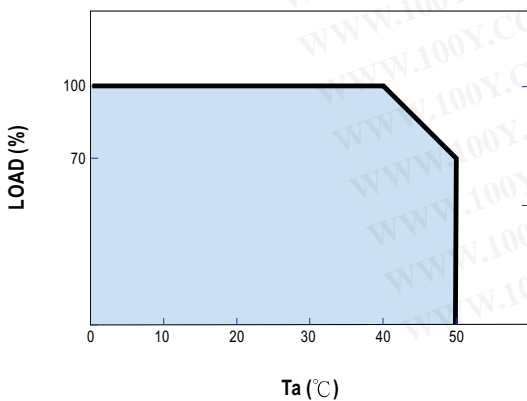


■ Plug Assignment

Standard plug: P2I (option)

P2 I	
P/N	OUTPUT
CENTER	+

■ Derating Curve



■ Static Characteristics

