



PS1082: Interchangeable Input UK, Eu, US and AU plugs, 12VDC 1.5A output, 2.1x5.5x12mm C+ Jack



## FEATURES

- Rated power: 18W max
- Input: 90~264VAC, 47~63Hz
- Output: 12V 1.5A max
- High efficiency 86% average from 25% to 100% rated load
- Standby power 0.1W max
- Low ripple and noise
- Operating temperature range: 10~+40°C
- Protected with OCP, OVP, SCP
- Meet DOE Level VI
- Meet IEC/EN/ETL62368-1, EN55032, CISPR32, EN55035, FCC Part 15B
- Designed for general purpose applications 1 year warranty

## ELECTRICAL SPECIFICATIONS

Unless otherwise indicated, specifications are measured at TA=25°C, humidity<75%, nominal input voltage and rated output load.

PARAMETERS	CONDITION	MIN.	TYP.	MAX.	UNIT	NOTE
Input voltage range		90	-	264	Vac	
Nominal input voltage		100	-	240	Vac	
Input frequency		47	-	63	Hz	
Input current	100Vac	-	-	0.5	A	
Inrush current	230Vac, Cold start	-	-	100	A	
Leakage current	240Vac, 50Hz	-	-	0.25	mA	
No load power consumption	115Vac/230Vac	-	-	0.1	W	
Output voltage		-	12	-	Vdc	
Rated output current		-	-	1.5	A	
Output voltage accuracy With line & load regulation included	I <sub>OUT</sub> =0A ... Rated	-	-	±5	%V <sub>OUT</sub>	
Ripple & noise Tested with 10uF E-cap, 0.1uF ceramic	20MHz	-	100	200	mVp-p	
Full load efficiency 100% full load	115Vac/230Vac	82	-	-	%	
Average efficiency Tested at 25%, 50%, 75% and 100% load, after 30 minutes warm up	115Vac/230Vac	85	-	-	%	DOE VI
Start up and rise time	100Vac, Full load	Turn-on delay 3sec max, rise time 100mS max				
Isolation voltage	Input to output	5mA max, tested at 4242Vdc for 60sec				
Insulation resistance	Input to output	10Mohm min, tested at 500Vdc				
Protections Hiccup mode, automatic recovery		Over current, over voltage, and short circuit protection Over current trigger point 1.7A ... 3.5A				



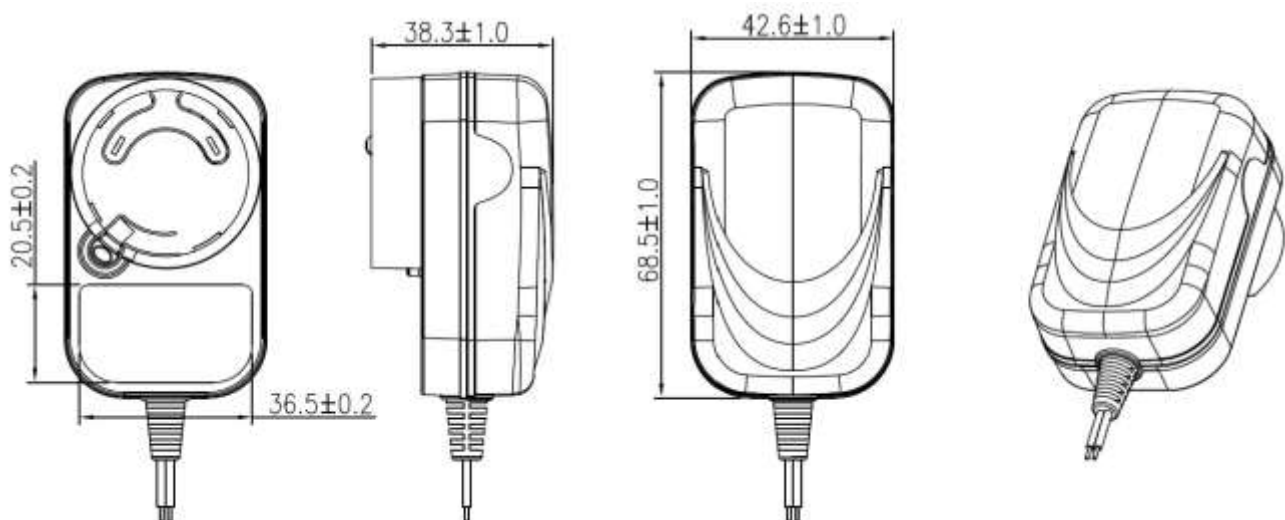
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## GENERAL SPECIFICATIONS

PARAMETERS	CONDITION	MIN.	TYP.	MAX.	UNIT	NOTE
Operating temperature range		-10	-	40	°C	
Operating humidity		10	-	90	%RH	
Storage temperature		-25	-	85	°C	
Storage humidity		10	-	95	%RH	
Case colour	Black colour					
Vibration	10~30Hz, 1.0G, 3.5mm offset, 60minutes along each X, Y, Z					
Burnin test	100% burn-in test, 4 hours, full load and 35°C ambient					
MTBF	> 50,000 Hours, 25°C, MIL-HDBK-217F					
Safety standards	Meet IEC/EN/ETL62368-1					
EMC standards	Meet EN55032, CISPR32, EN61000-3-2, 3, EN55035, FCC Part 15B Class B					
Packing & Weight Individual white box packing	1pc/white box 110x74x54mm 90pcs/carton 465x355x305mm, 15Kg G.W.					

## MECHANICAL SPECIFICATIONS

Interchangeable Type  
AC blade option code “N”

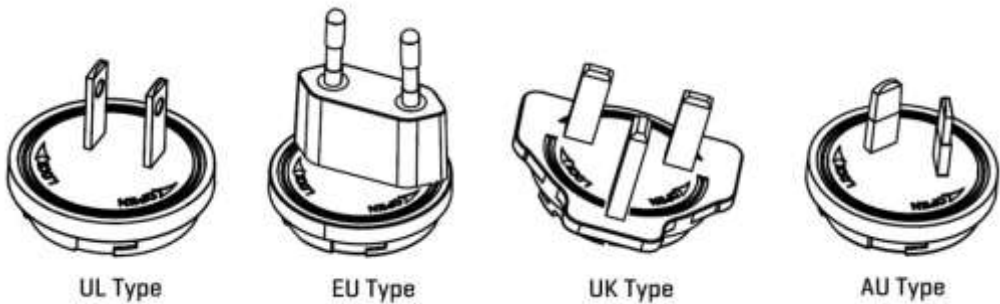


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MECHANICAL SPECIFICATIONS  
(CONTINUED)

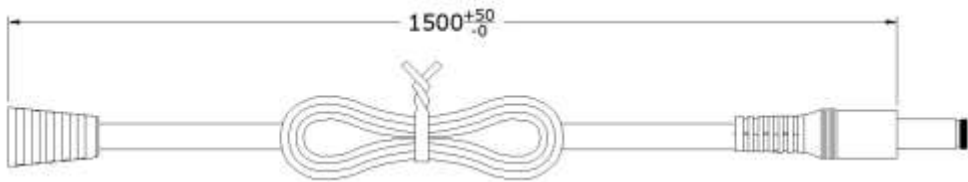
Interchangeable AC Blade Options

Interchangeable AC blades are optional accessories to the interchangeable adaptors.



DC Cord Options

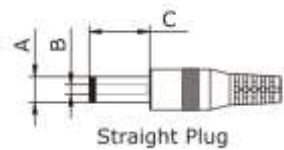
Code “15” for default DC cord length 1.5M, and code “00” for no DC cord assembled to the adaptor body. Other options are available upon request, for example code “12” for 1.2M length DC cord.



Unit: mm

DC Plug “A1”

Code “A1” for a centre positive and straight DC plug.



Code	A	B	C	Unit
A1	5.5	2.1	12	mm



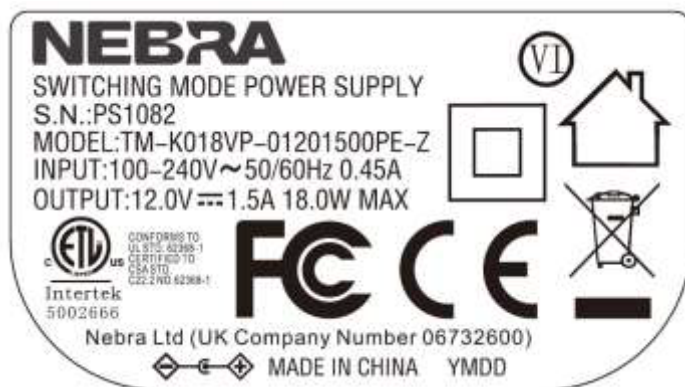
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## SPECIAL NOTES

### Laser Marking

- Mark with “NEBRA” Logo and address and Part Number PS1082
- Manufacturing Part Number TM-K018VP-01201500PE-Z
- YMDD represents Year, Month and Date.

**Product Label Design as follows:**



### Individual White Box Packing

- The white box should be 450g thickness, size 110x74x54mm
- Put a sticker at one end of the white box
- Sticker size: 40x50mm

**Sticker Design as follows**

