

DESCRIPTION: **AC-DC Power Supply**

SERIES: **P1XE18AU1**

## Features

- Output voltages from 3V to 24V
- 100-240Vac Universal AC input
- Energy efficiency level VI & CoC Tier2
- Protections: OVP OCP SCP
- Standard: IEC 62368
- Applications: Audio/Video, Information and Communication technology equipment



## Certificates

LPS RoHS CE

## Model

Order NO. P1XE18 AU - zzz yyyy  
                  1                  2                  3                  4

1. Series number
2. Wall plug: MM=Interchangeable AC plug  
                  US=American fixed AC plug  
                  EU=European fixed AC plug  
                  BR=Brazilian fixed AC plug  
                  SA=African fixed AC plug  
                  IN=Indian fixed AC plug  
                  JP=Japanese fixed AC plug  
                  AU=Australian fixed AC plug  
                  CN=China fixed AC plug  
                  GB=United Kingdom fixed AC plug  
                  KR=Korean fixed AC plug
3. Output voltage: 033=3.3V, 240=24V
4. Output current: 0166=1.66A, 1500=15A

Model number	Power (W)	Output voltage (V)	Output current (A)
P1XE18AU-0500300	15	5.0	3.00
P1XE18AU-0600250	15	6.0	2.50
P1XE18AU-0750200	15	7.5	2.00
P1XE18AU-0900200	18	9.0	2.00
P1XE18AU-1200150	18	12.0	1.50
P1XE18AU-1500120	18	15.0	1.20
P1XE18AU-1800100	18	18.0	1.00
P1XE18AU-2400075	18	24.0	0.75

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## Input

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Input voltage	90	100-240	264	Vac	
Input frequency	47	50/60	63	Hz	
Input current			0.45	A	100 Vac
No load power consumption			0.1	W	115/230Vac

## Output

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Voltage tolerance		±5.0		%	
Line regulation		±5.0		%	
Turn on delay			3	S	90Vac at full load
Ripple & Noise			200	mV	20MHz Bandwidth, 0.1μF & 10μF capacitor

## Environmental

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Operating temperature	0		40	°C	
Operating humidity	20		90	%	RH, non-condensing
Storage temperature	-10		60	°C	
Storage humidity	10		95	%	RH, non-condensing
MTBF	When the power supply is operating within the limits of this specification, the MTBF shall be at least 50000 hours at 25°C (MIL-HDBK-217F).				

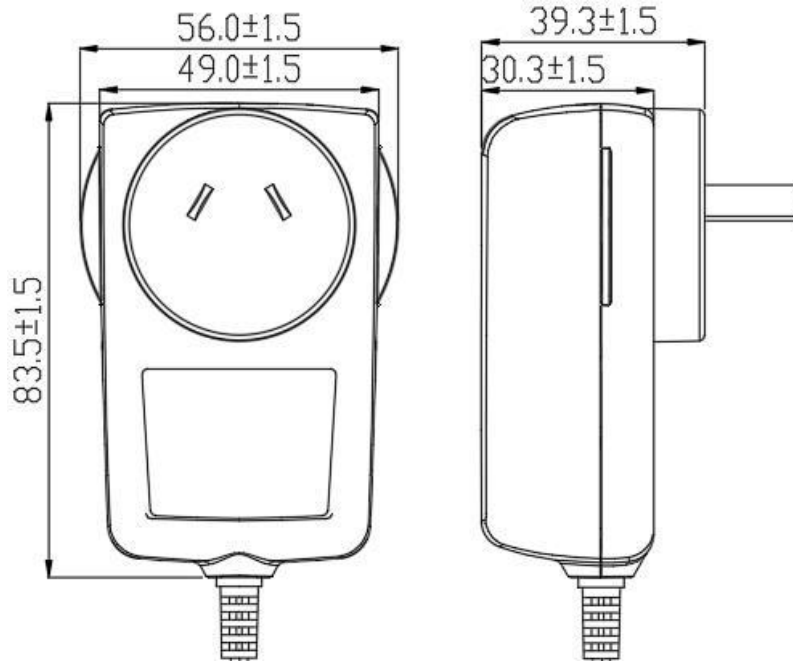
## Protections

Characteristic	Descriptions
Over current protection	105 ~ 150% rated output current. Protection type: Hiccup mode, which recovers automatically once the fault condition is removed.
Over voltage protection	Overvoltage protection must be included in the circuit to ensure that a single component failure does not cause an overvoltage.
Short circuit protection	The output can withstand a continuous short circuit without damage due to the hiccup mode protection feature, which automatically recovers once the fault condition is removed.

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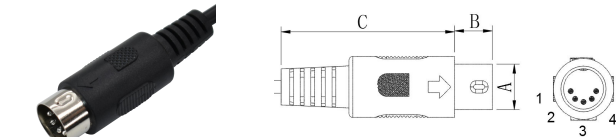

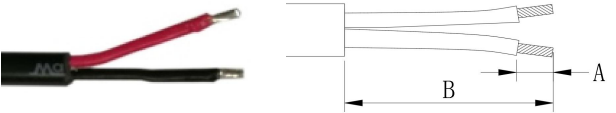
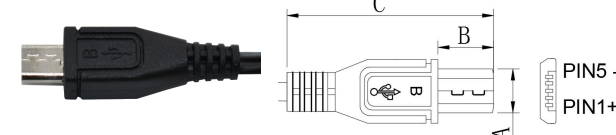
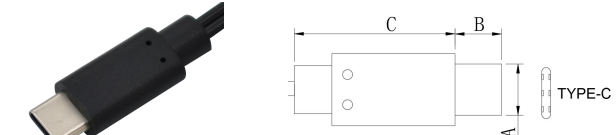

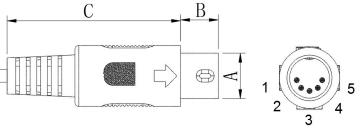

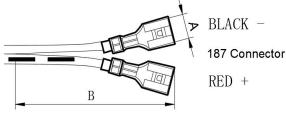

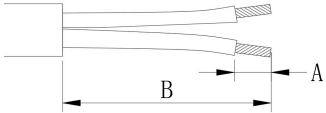

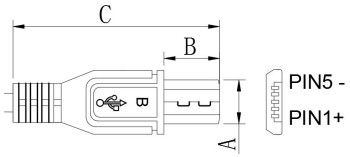
## Mechanical



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## DC Plugs

Serial No.	Outline		Notes
01 Tuning fork style (Standard plug)			A2.5*B5.5*C11mm 
02 Tuning fork style			A*B*C(mm) 2.5*5.5*8    2.5*5.5*9 2.5*5.5*9.5    2.5*5.5*10 2.5*5.5*11    2.5*5.5*12 2.5*5.5*13    2.5*5.5*14
03 Barrel style			
04 Tuning fork style			2.1*5.5*8    2.1*5.5*9 2.1*5.5*9.5    2.1*5.5*10 2.1*5.5*11    2.1*5.5*12 2.1*5.5*13    2.1*2.5*14
05 Barrel style			1.35*3.5*8.5    1.35*3.5*10  1.0*3.0*10    1.0*3.3*10
06 DIN 5 Pin (male)			A13*B8.0*C46mm PIN1 V- PIN5 V+
07 187 Connector			B50mm
08 Stripped and tinned leads			A5.0*B35mm
09 Micro-USB			
10 Type-C	