

# PD Charger Wall Mount Series



## Single Output 63W Data Sheet

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### Description

This specification defines the performance characteristics of single phase, 63 WATT, compatible USB-PD 3.0 and Quick Charge 2.0/3.0, 2 outputs power supply. This specification also defines worldwide safety and electromagnetic compatibility requirements for the power supply which is intended for use in IA products.

### Features

- \* Full AC input voltage range design.
- \* Support for PD3.0.
- \* Full Protections: Short-circuit/ Over-voltage/ Over-current/ Over temperature.
- \* Less than 100mW low standby power.
- \* IEC/EN 62368-1 design compliance.
- \* Up to 5000 meters operating altitude.
- \* High power density and small size design.
- \* AC plug is foldable.



### Electrical Specification

Model Name	PA-2630-67PW					
<b>Output</b>						
Rated power (Single mode)	60W					
Rated voltage	5V	9V	12V	15V	20V	3.3~21V
Rated current	3A	3A	3A	3A	3A	3A
Rated power (dual mode)	63W					
Rated voltage (PortA)	5V	9V	12V	15V	20V	Total Power is 63W
Rated current (PortA)	3A	3A (or 2A)	2.5A (or 3A)	2A (or 3A)	1.5A (or 2.25A)	
Rated voltage (PortB)	5V	9V	12V	15V	20V	
Rated current (PortB)	3A	3A (or 2A)	2.5A (or 3A)	2A (or 3A)	1.5A (or 2.25A)	
Ripple & Noise(max.) (note #1)	380mV					
Line & load regulation	±5%					
Hold-up time(min.)	5ms/115Vac					
Timing: AC ON delay / rising (max.)	5 sec / 275ms					

<b>Input</b>	
Rated voltage range	100~240Vac
Operated voltage range	90~264Vac
Current range (max.)	1.7A
Power factor (typ.)	N/A
Inrush current (typ.)	limited to a 29% margin of the I2t rating of fuse and bridge rectifier
Frequency range	50-60Hz
Leakage current (max.)	100uA at 250Vac
Efficiency (typ.)	88.0%/63W
<b>Protection Function</b>	
Over voltage (max.)	145% of rated voltage, latch-off protection
Over current (max.)	4.5A , latch-off protection
Short circuit at O/P	No damage, latch-off protection.
Over temperature	No damage, latch-off protection
<b>Others</b>	
MTBF (min.) (note#2)	100K hours @ rated load
<b>Environment</b>	
Temperature	(operating) 0~35°C / (storage) -20~85°C
Humidity	(operating) 10~95% RH non-condensing / (storage) 5~95% RH
Altitude (max.)	5000 meters
<b>Mechanical</b>	
Dimension	53.4(L)*53.4(W)*28mm(H)
Temperature rise of case (note #3)	ΔT less than 50°C
Weight (typ.)	180g
<b>Safety</b>	
Standard	IEC/EN 60950-1, K60950-1, IEC/EN 62368-1, CNS14336-1
Withstand voltage	Input-Output: 4242VDC
Isolation resistance(min.)	Input-Output: 30Mohm @ 500VDC, 25°C, 70%RH
<b>EMC</b>	
EN55032 (CISPR32)	Conducted EMI: class B / Radiated EMI: class B
FCC	Conducted EMI: class B / Radiated EMI: class B
EN61000-3-2	Harmonic distortion: The power less than 75W and no limit apply
EN61000-4-2	ESD: ±8KV contact discharge / ±15KV contact discharge
EN61000-4-3	Radiated RF immunity: 3V/m
EN61000-4-4	EFT: ±1KV (AC port)
EN61000-4-5	Surge: ±1KV DM / ±2KV CM
EN61000-4-6	Conducted RF immunity: 3V/m

EN61000-4-8	Magnetic field immunity: 1A/m
EN61000-4-11	Voltage dip immunity: Criteria B

**Notes**

- #1: Ripple noise is measured by a 1.5m length, twisted wires with 0.47uF MLCC & 10uF low ESR capacitor.
- #2: Input voltage is 115Vac and 230Vac, output is rated load at 25°C.
- #3: 100Vac and rated load at 35°C ambient temperature.

**Mechanical Specification**

