

FSP090(100)-A1BR3

FEATURES

- · USB Power Delivery Type-C Adapter
- · Certified IEC 62368-1 & CB 60950-1
- Meet Energy Efficiency DOE Level VI
- Meet Code of Conduct Version 5 Tier 2
- High Reliability

INPUT SPECIFICATIONS

SAFETY STANDARD APPROVAL



Provisions for adding harmonic reduction per EN

At 100Vac or 240Vac / full load, output voltage shall

100Vac, 240Vac / full load , Shall be less than the rating of adapter critical component (including rectifiers, fuse

61000-3-2 must be present.

Power turn-on time At 100Vac / full load, output voltage shall remain

remain regulation \geq 5ms

See rating chart

regulation \leq 5Sec

DESCRIPTION

Input voltage:

Input frequency:

Touch current:

This product is an 100 watts USB Power Delivery adapter use in Mobile Phones, Tablets, Automotive convenience ports, TV, Mass Storage, Expansion Ports, Laptops, Monitors, Payment terminal, Set-top boxes, Workstations.

Power factor:

Hold-up time:

Inrush current:

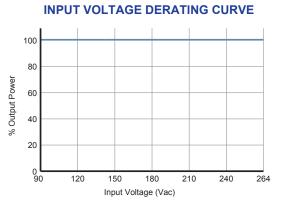
Efficiency:

INPUT SPECIFICATIONS

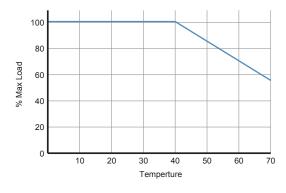
90-264 VAC 47-63 Hz Input current:100Vac, 240Vac / full load $\leq 1.4A$ No load power consumption115Vac, 230Vac $\leq 0.1W$ when the USB type-C plug out $264Vac/50Hz \leq 0.2mA$

OUTPUT SPECIFICATIONS

OUTPUT SPECIFICATIO	ONS	surge and current limiting device)	
Output voltage/current: Total output power:	See rating chart See rating chart	Operating altitude: Withstand voltage:	
Protection: Over voltage:	The adapter will enter into shut down that means no output while over voltage	MTBF:	100Vac, 240Vac / full load, 300,000 hours at 25°C, standard SR332
	happened at output terminal that caused by internal fault, the output trip voltage shall not exceed 24 volts the power supply shall shut down and enter latch mode.	EMC Performance: EN55032 FCC VCCI EN61000-3-2	Class B conducted, class B radiated Class B conducted, class B radiated Class B conducted, class B radiated Meet class D Meet regulation
Short circuit & Over current:	When an internal fault occurs, or an external fault is applied to the power supply, such that an overload or short circuit is applied to the output, the power supply shall shut down and enter auto-recovery mode. The power supply will enter into shut down while the abnormal thermal rise occurs. the power supply shall shut down and enter latch.	EN61000-3-3 EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-8 EN61000-4-11	Air discharge: ±15 KV,contact discharge: ±8KV, meet criterion A 80 ~1000 MHz,3V/m,80% AM(1kHz), meet criterion A Impulse: ±1kV applied to L,N,meet criterion A ±1kV applied differential mode, ±2kV applied common mode,meet criterion A 0.15 ~ 80 MHz,3Vrms,80% AM(1kHz),meet criterion A 50 Hz or 60Hz,1A/m,meet criterion A Voltage Dips :
Over temperature:			
Brown-out	Set at 55Vac~70Vac		>95% reduction for 0.5 period, meet criterion A 30% reduction for 25 period, meet criterion A Voltage Interruptions :
Environment Working TEMP. Storage TEMP. Working Humidity Storage Humidity	0~70°C (> 40°C de-rating) -20~+80°C 20~80% RH non-condensing 10~90% RH non-condensing	Power de-rating:	>95% reduction for 250 period, meet criterion B 100Vac or 240Vac,0°C to 40°C,100% load.



OUTPUT POWER DERATING CURVE

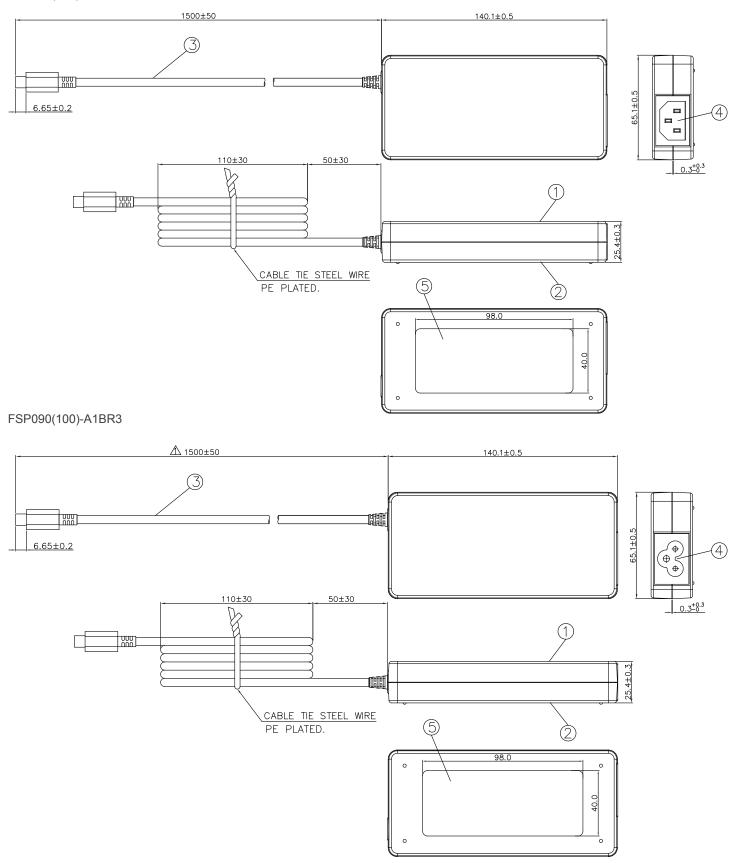


OUTPUT VOLTAGE/CURRENT RATING CHART

Model	Output Voltage	Output Current	AC Inlet	Efficiency		Over Voltage
				DOE(Level VI)	CoC V5 (Tier 2)	Protection
FSP090-A1AR3	5/9/12/15/20V	3/3/3/3/4.5A	C14	- ≧88%	≧89%	24Volts
FSP090-A1BR3	5/9/12/15/20V	3/3/3/3/4.5A	C6			
FSP100-A1AR3	5/9/12/15/20V	3/3/3/3/5A	C14			
FSP100-A1BR3	5/9/12/15/20V	3/3/3/3/5A	C6			

MECHANICAL SPECIFICATIONS

FSP090(100)-A1AR3



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CONNECTOR SPECIFICATIONS

