TECHNICAL DATASHEET

65W USB PD Type – C Adapter

FSP065-A1BR3

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FEATURES

- Certified CB 62368-1 & CB 60950-1
- Meet Energy Efficiency DOE Level VI
- Meet (EU)2019/1782
- High Reliability
- Compact Design
- Short Circuit Protection
- Over Temperature Protection
- Over Voltage Power Protection

SAFETY STANDARD APPROVAL

c UL us LISTED I.T.E. POWER SUPPLY E190414

TÜVRheinland ZERTIFIZIERT

GS geprüfte Sicherheit

Tested to Comply With FCC Standards FOR HOME OR OFFICE USE

DESCRIPTION

This is 65W USB C Charger for all your usb-c and usb-powered devices.

This power adapter is compact and lightweight, be able to pack it in a bag and take it to work or travel, it is very convenient.

INPUT SPECIFICATIONS

Input voltage:	90-264 VAC
Input frequency:	47-63 Hz
Input current:	100Vac, 240Vac / full load ≦ 1.7A
No load power consumption	115Vac , 230Vac ≦ 0.1W when the USB type-C Connector out (no output)
Touch current:	264Vac / 50Hz ≦ 0.1mA

OUTPUT SPECIFICATIONS

Output voltage/current:	5V/3A ; 9V/3A ; 12V/3A ; 15/3A ; 20V/3.25A
Total output power:	65W
Protection:	
Over voltage:	The adapter shuts down which means no output, when over voltage happens at output terminal caused by internal fault. The power supply shall shut down and enter auto-recovery mode.
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.
Over temperature:	The power supply shall shut down.
Brown-out:	Set at 55Vac~65Vac
Environment	
Working TEMP.	0~40℃ (> 40℃ de-rating)
Storage TEMP.	-20~+60℃
Working Humidity	10~85% RH non-condensing
Storage Humidity	10~95% RH non-condensing

GENERAL SPECIFICATIONS

Power factor:	Provisions for adding harmonic reduction per EN 61000-3-2 must be present.
Efficiency:	Meet DOE(Level VI) & (EU)2019/1782
Power turn-on time	At 100Vac / full load, output voltage shall remain regulation ≦ 3Sec
Hold-up time:	At 100Vac or 240Vac / full load, output voltage shall remain regulation ≧5ms
Inrush current:	100Vac, 240Vac / full load , Shall be less than the rating of adapter critical component (including rectifiers, fuse surge and current limiting device)
Operating altitude:	5000 meters above sea level
Withstand voltage:	Between AC input and secondary applied DC 4242V,test time 1 minute,cut off current shall be less than 10mA
MTBF:	100Vac, 240Vac / full load, 100,000 hours at 25℃, standard SR332
EMC Performance	
EN55032	Class B conducted, class B radiated
FCC:	Class B conducted, class B radiated
VCCI:	Class B conducted, class B radiated
EN61000-3-2:	Meet class D
EN61000-3-3:	Meet regulation
EN61000-4-2:	Air discharge: ± 15 KV,contact discharge: ± 8 KV,meet criterion A
EN61000-4-3:	80 ~1000 MHz,3V/m,80% AM(1kHz),meet criterion A
EN61000-4-4:	Impulse: ± 1kV applied to L,N,meet criterion A
EN61000-4-5:	± 1kV applied differential mode, ± 2kV applied common mode,meet criterion A
EN61000-4-6:	0.15 ~ 80 MHz,3Vrms,80% AM(1kHz),meet criterion A
EN61000-4-8:	50 Hz or 60Hz,1A/m,meet criterion A
EN61000-4-11:	Voltage Dips： >95% reduction for 0.5 period,meet criterion B 30% reduction for 25 period,meet criterion B Voltage Interruptions： >95% reduction for 250 period,meet criterion B
Power de-rating:	100Vac or 240Vac,0℃ to 40℃,100% load.

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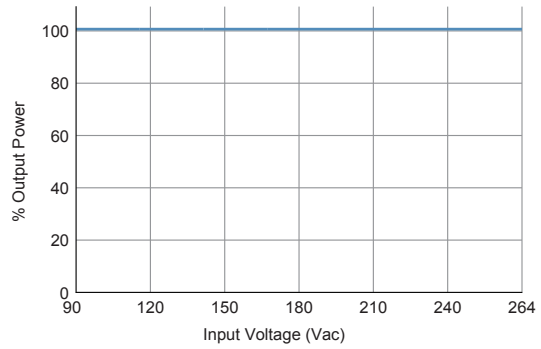
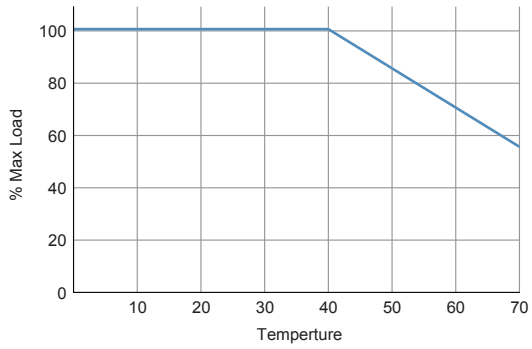
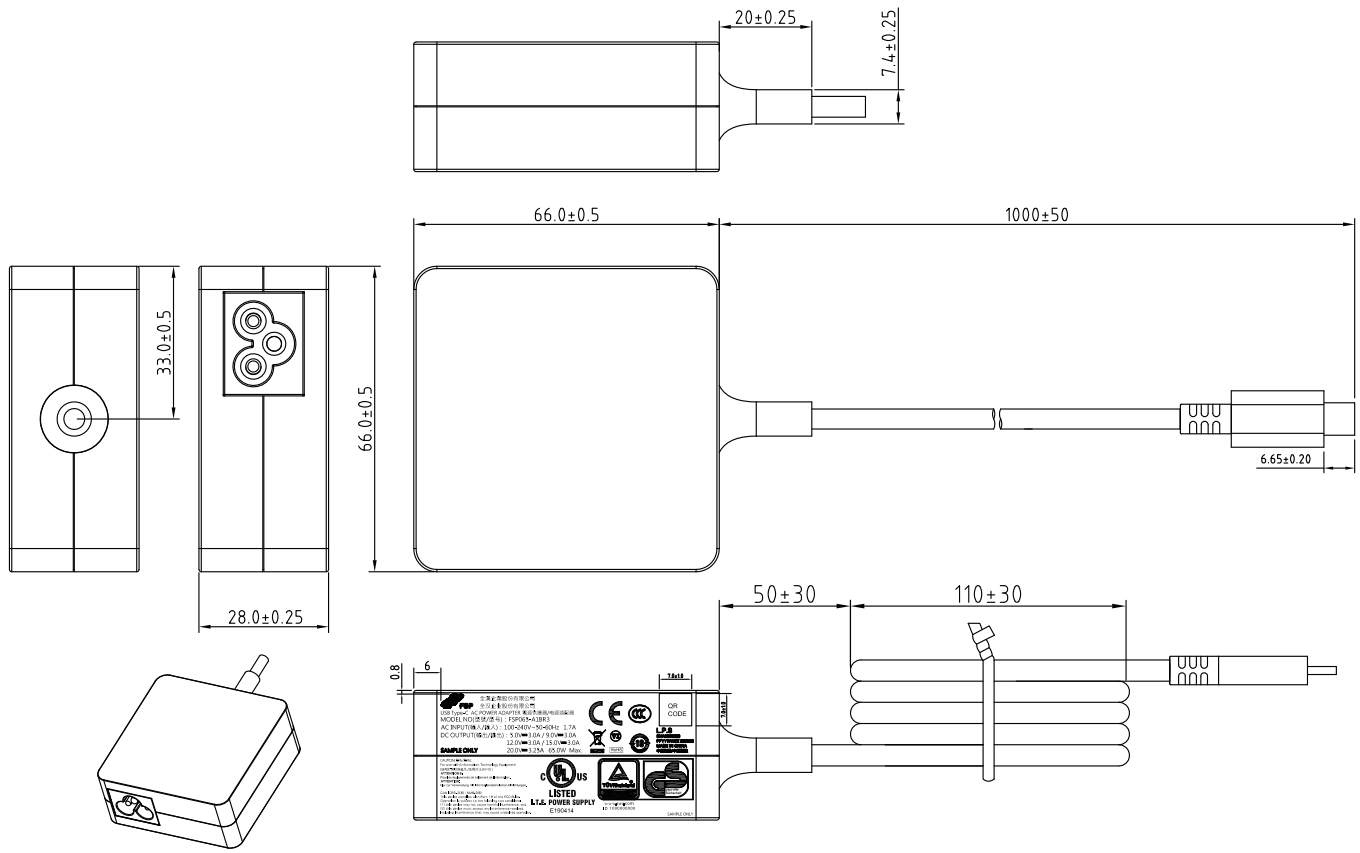
INPUT VOLTAGE DERATING CURVE



OUTPUT POWER DERATING CURVE



MECHANICAL SPECIFICATIONS



CONNECTOR SPECIFICATIONS