



FSP065-D3ER3

FEATURES

- Approved with IEC 62368-1 Ed. 3.0 & global safety certifications
- Approved with EN55032 and CISPR 32/FCC part 15 Class B
- Operating altitude 5000m
- Meets CoC Tier2 & DOE Level VI
- Built-in OCP/OTP/OVP
- Compliance with LPS standards
- Fixed EU AC plug

SAFETY STANDARD APPROVAL



DESCRIPTION

FSP065-D3ER3 is a 65W AC to DC USB type-C PD wall mounted type power supply with a fixed EU AC plug. The adapter operates at 90 to 264Vac input voltage with the output rating 5V/9V/12V/15V/20V.

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
Touch current:	264Vac / 50Hz ≤ 0.25mA rms

OUTPUT SPECIFICATIONS

Output voltage/current:	See rating chart
Max. output power:	65W
Protection:	
Over voltage:	The adapter will shut down caused by internal fault. That will be return to normal state by AC reset. See chart.
Over current:	The power will shutdown without damage.
Over Temperature:	The power supply will enter into shut down while the abnormal thermal rise occurs.

ENVIRONMENTAL SPECIFICATIONS

Operating temperature:	0~70°C (> 40°C derating)
Storage temperature:	-20~+80°C
Operating humidity:	10~85% RH non-condensing
Storage humidity:	5~95% RH non-condensing

GENERAL SPECIFICATIONS

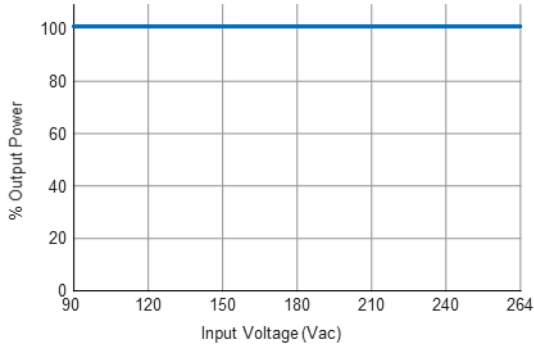
Efficiency:	See the chart at next page
Hold-up time	≥ 6ms at 100 or 240Vac with max. load
Operating altitude:	5,000 meters
Inrush current:	No damage, I ² T Shall be less than 29% of the rating of adapter critical component
MTBF:	≥ 100,000Hrs with 115Vac / Max. load at 40°

EMC Performance

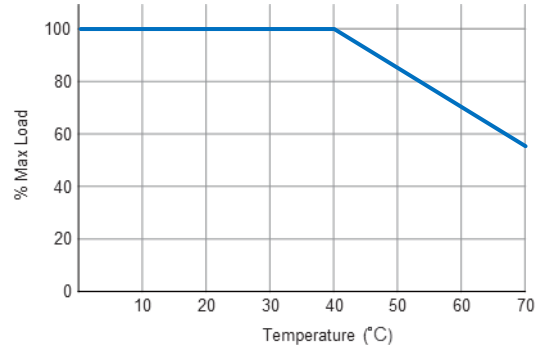
EN55032:	Class B conducted, class B radiated
FCC:	Class B conducted, class B radiated
VCCI:	Class B conducted, class B radiated

EN61000-3-3:	Line flicker
EN61000-4-2:	ESD, ±15 KV air & ±8 KV contact
EN61000-4-3:	Radiated immunity, 3 V/m
EN61000-4-4:	Fast transient / burst, ±1 KV
EN61000-4-5:	Surge, ±1 KV diff., ±4 KV (Optional).
EN61000-4-6:	Conducted immunity, 3 Vrms
EN61000-4-8:	Magnetic field immunity, 1A/m
EN61000-4-11:	Voltage dip immunity, 30% reduction for 500 ms, >95% reduction for 10 ms, and 100% reduction for 5000 ms

INPUT VOLTAGE DERATING CURVE



OUTPUT POWER DERATING CURVE



OUTPUT VOLTAGE / CURRENT RATING CHART

Model	Output Voltage	Output Current	AC Plug	Efficiency: DoE L6 & CoC V5 T2		Over Voltage Protection
				115V	230V	
FSP065-D3ER3	5/9/12/15/20V	3/3/3/3/3.25A	US	SPR Mode		5V: 8.0V Max. 9V: 14.0V Max. 12V: 18.0V Max. 15V: 22.0V Max. 20V: 26.0V Max.
				5V: 81.39%	5V: 81.84%	
				9V: 86.62%	9V: 87.30%	
				12V: 87.40%	12V: 88.30%	
				15V: 87.73%	15V: 88.85%	
				20V: 87.54%	20V: 89.16%	

MECHANICAL & AC CONNECTOR SPECIFICATIONS

Unit: mm

P1	Signal Name	AWG	COLOR
A4, B4, A9, B9	Vbus	20AWG	WHITE
A5	CC	26AWG	BLUE
A6			Short
A7			Short
A1, B1, A12, B12	GND	20AWG	BLACK
SHELL			NA

