



# FSP400-AWAN3

## FEATURES

- Certified IEC 62368-1
- Meet Energy Efficiency DOE Level VI
- Meet Code of Conduct Version 5 Tier 2
- High Reliability
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection
- With PFC Circuit

## SAFETY STANDARD APPROVAL



## DESCRIPTION

This product is an 400 watts AC to DC adapter intended for systems , such as networking application. This adapter operates at 90 to 264Vac input voltage and output is 54Vdc. The unit meets CISPR32 EN55032 CLASS B, and FCC PART 15B Class B emission limits, and is designed for ITE application.

## INPUT SPECIFICATIONS

Input voltage:	90-264 VAC
Input frequency:	47-63 Hz
Input current:	100Vac, 240Vac / full load $\leq 4.5A$
No load power consumption:	115Vac, 230Vac $\leq 0.5W$
Touch current:	264Vac / 50Hz $\leq 0.25mA$

## OUTPUT SPECIFICATIONS

Output voltage/current:	See rating chart
Max. output power:	400W
Protection:	
Over voltage:	The output shall not exceed 66V. The adapter will shut down and it will be return to normal state by AC reset.
Over current:	The power will shutdown without damage.
Over Temperature:	The power supply will enter into shut down while the abnormal thermal rise occurs.

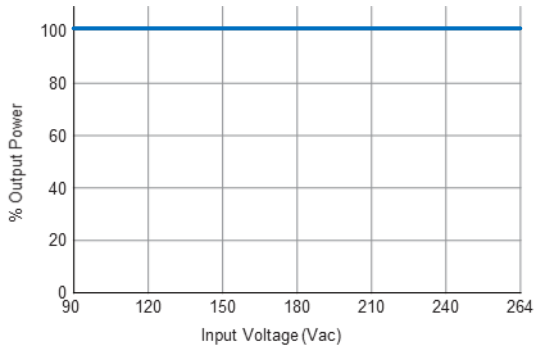
## ENVIRONMENTAL SPECIFICATIONS

Operating temperature:	0~70°C (> 40°C derating )
Storage temperature:	-20~+80°C
Operating humidity:	20~80% RH non-condensing
Storage humidity:	10~90% RH non-condensing

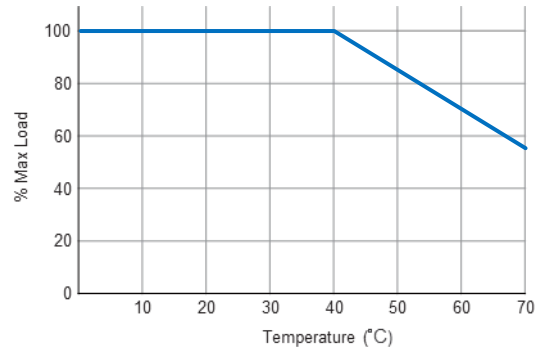
## GENERAL SPECIFICATIONS

Power factor:	PF $\geq 0.9$ at 100Vac / 240Vac input
Efficiency:	See the chart at next page
Hold-up time	$\geq 10ms$ at 100 or 240Vac with 100% load
Inrush current:	No damage, Shall be less than the rating of adapter critical component
Operating altitude:	5,000 meters
MTBF:	$\geq 100k$ Hrs with 115Vac / Max. load at 25°C
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:	Harmonic distortion, Class A & D
EN61000-3-3:	Line flicker
EN61000-4-2:	ESD, $\pm 15$ KV air & $\pm 8$ KV contact
EN61000-4-3:	Radiated immunity, 3 V/m
EN61000-4-4:	Fast transient / burst, $\pm 1$ KV
EN61000-4-5:	Surge, $\pm 4$ KV diff., $\pm 6$ KV com.
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 Inlet	Efficiency: DoE Level VI		Over Voltage Protection
				115V	230V	
FSP400-AWAN3	54V	7.41A	C14	≥ 87.5%	≥ 87.5%	66V Max.

MECHANICAL & AC CONNECTOR SPECIFICATIONS

FSP400-AWAN3

