

SPECIFICATIONS

MODEL	FSP059-7S2AC8	FSP147-7S5AC8	FSP235-7S8AC18
		FUANGEE5525	
OUTPUT			
Output Voltage (Typ.) ⁽¹⁾	29.4 V	29.4 V	29.4 V
Continuous Output Current (Typ.)	2.0 A	5.0 A	8.0 A
Rated Power	59 W	147 W	235 W
LED Indicator	Charging(CC) : RED Floating charging(CV) : GREEN		
INPUT			
AC inlet	IEC320-C8		IEC320-C18
Voltage Range	90 ~ 264 Vac		
Frequency Range	47~63Hz		
Power Factor(Typ.)	NA	PF>0.95/115VAC, PF>0.9/230VAC at full load	
Efficiency(Typ.)	87%	90%	
Leakage Current(max.)	0.35mA / 254VAC		
PROTECTION			
Overload	95%~105% rated output power		
	Protection type: Constant current limiting recovers automatically after fault condition is removed		
Short Circuit	Protection type: Hiccup mode, recovers automatically after fault condition is removed		
Over Voltage	Protection type: Shut down o/p voltage, AC reset to recover		
Over Temperature	110°C±10°C detect on inside ambient temperature		
	Protection type: Reduce the charging current		
SAFETY & EMC			
Safety Standards	UL1012/CSA107.1, IEC60335-1/2-29		
Withstand Volatge	I/P-O/P : 3KVAC		
Isolation Resistance	I/P-O/P : 100M Ohms / 500VDC /25°C/70%RH		
EMC Emission	Compliance to EN55014-1, FCC PART 15/ CISPR14-1, EN/EN61000-3-2,3		
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,11		
ENVIRONMENTAL			
Operating Temperature	0~40°C		
Operating Humidity	20%~90% RH non-condensing		
Storage Temp.,Humidity	-40~+85%, 10~95% RH		
Vibration	0.01g ² /Hz at 5Hz sloping to 0.2g ² /Hz at 20Hz, and maintaining 0.02g ² /Hz from 20Hz to 500Hz. PSD=3.13gRMS 15min./axis, force direction X,Y,Z		
MECHANICAL			
Outline	Fully enclosed plastic case		
Dimensions	128 x 67 x 32 mm	177 x 86 x 32.2 mm	177 x 86 x 32 mm
Weight(Typ.)	300 g	560 g	680 g
Cooling	Free Air Convection		

NOTES:

- Modification for charger specification may be required for different battery specification. Please contact battery vendoe and FSP for details.
- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

CHARGING CURVE

