

SPECIFICATIONS

MODEL	FSP084-10S2AC8H	FSP168-10S4AC8	FSP252-10S6AC18
	FUANGEE5525		
OUTPUT			
Output Voltage (Typ.) ⁽¹⁾	42 V	42V	42 V
Continuous Output Current (Typ.)	2.0 A	4.0 A	6.0 A
Rated Power	84 W	168 W	252 W
LED Indicator	Charging(CC) : RED Floating charging(CV) : GREEN		
INPUT			
AC inlet	IEC320-C8		IEC320-C18
Voltage Range	180 ~ 264 Vac	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%	88%	89%
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	IEC60335-1/2-29	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, 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	0.01g²/Hz at 5Hz sloping to 0.2g²/Hz at 20Hz, and maintaining 0.02g²/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 32.2 mm
Weight(Typ.)	300 g	560 g	620 g
Cooling	Free Air Convection		

NOTES:

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

CHARGING CURVE

