

## SPECIFICATIONS

| MODEL                                | FSP084-10S2AC8H   | FSP168-10S4AC8                             | FSP252-10S6AC18    |
|--------------------------------------|---|--|--------------------|
|                                      |   | FUANGEE5525                                |                    |
| <b>OUTPUT</b>                        |   |  |                    |
| Output Voltage (Typ.) <sup>(1)</sup> | 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  |  |                    |
| <b>INPUT</b>                         |   |  |                    |
| 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   |  |                    |
| <b>PROTECTION</b>                    |   |  |                    |
| 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  |  |                    |
| <b>SAFETY &amp; EMC</b>              |   |  |                    |
| 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  |  |                    |
| <b>ENVIRONMENTAL</b>                 |   |  |                    |
| Operating Temperature                | 0~40°C  |  |                    |
| Operating Humidity                   | 20%~90% RH non-condensing   |  |                    |
| Storage Temp.,Humidity               | -40~+85%, 10~95% RH   |  |                    |
| Vibration                            | 0.01g <sup>2</sup> /Hz at 5Hz sloping to 0.2g <sup>2</sup> /Hz at 20Hz, and maintaining 0.02g <sup>2</sup> /Hz from 20Hz to 500Hz.<br>PSD=3.13gRMS 15min./axis, force direction X,Y,Z |  |                    |
| <b>MECHANICAL</b>                    |   |  |                    |
| 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:**

- 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**