



**Information:**

**Power supply with charging function**  
**42 W Single output(Full range input)**

**Product features:**

- AC input / full range
- Charger for lead-acid batteries
- Power on indication
- Cooled by air convection
- Protection for deeply discharged battery
- Short Circuit Protected Charging
- Protections:Overload/ Short circuit
- 100% full load burn-in test
- Open frame models available:102mmx60mmx40mm
- One year warranty

**Approval:CE**



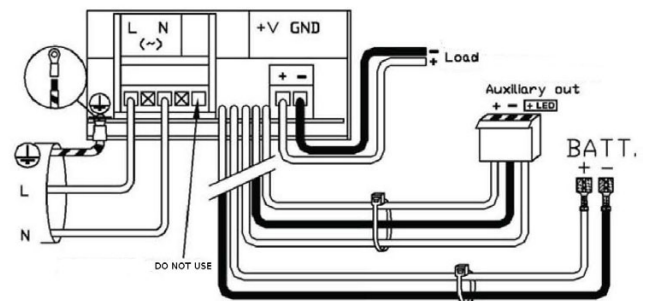
**Size(LxWxH): 130mmx98mmx42mm**

**Specifications:**

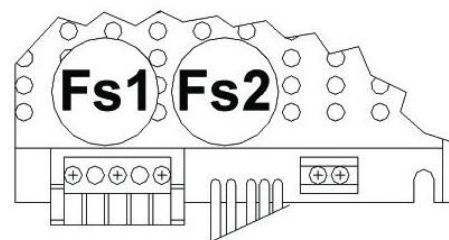
AC input voltage	100VAC~240 VAC
Input frequency	47~63Hz
Inrush current	40A@220VAC
Hold up time	20 ms at 120VAC
Overload protection	105%-180% of the rated maximum output power
Operating temperature	0 to 40°C
Safety standards	GB4943-2001 EN60950
EMC standard	EN55022
Withstand voltage	I/P-OP: 3KVAC/min I/P-FG: 1.5KVAC/min O/P-FG: 0.5KVAC/min
Connection	I/P:JTB552-00-1-05-3-M9 O/P:JTB552-00-1-02-3-M9
MTBF	10 <sup>5</sup> h at 25°C
Weight	0.5Kg/pcs (External case type) 0.36Kg/pcs (PCB type)



**Fig. 1 connections**



**Fig. 2 Fuses**



P/N	DC Output	Charger O/P	Battery Capacity	Tol.	R&N	Effi.	Load Regulation	Line Regulation
ESP-42-13.8	13.8Vdc 0~3A	13.8Vdc 6.3A Fuse	12V 7Ah	+/-2%	140mV	80%	+/- 2%	+/- 1%
ESP-42-27.6	27.6Vdc 0~1.5A	27.6Vdc 6.3A Fuse	2x12V 4Ah	+/-2%	240mV	80%	+/- 2%	+/- 1%