

ESP-140-13.8
ESP-140-27.6

STONTRONICS
 THE POWER TO SUPPLY

Power supply with charging function
140 W Single output (230V AC input only)

Product features:

- 230VAC input only
- Power on indication
- Short Circuit Protected Charging
- Protections: Overload/Short circuit
- Battery reverse charge protection
- 100% full load burn in test
- One year warranty



Approval:CE



Size(LxWxH): 200mmx110mmx50mm

Specifications:

| | |
|-----------------------|---|
| AC input voltage | 195~253VAC |
| Input frequency | 50/60Hz |
| Inrush current | 40A@230VAC |
| | full load cold start |
| Hold up time | 20 ms at 230VAC,full load |
| Overload protection | 300% I _o |
| Operating temperature | 0 to 45°C |
| Storage temperature | -20 to 70°C |
| Operating humidity | 5%~90% RH, non-condensing |
| Safety standards | EN60950 EN501301-4 EN50081 EN54-4:1997 |
| EMC standard | EN55022 |
| Withstand voltage | I/P-OP: 3KVAC/min I/P-FG: 1.5KVAC/min O/P-FG: 0.5KVAC/min No damage Cutout current:10mA max |
| MTBF | 10 ⁵ hours at 25°C |
| Connection | I/P:DG128 three position insulated terminal block O/P: DG128 two position insulated terminal block |
| Weight | 0.9Kg/pcs |



Fig. 1 connections

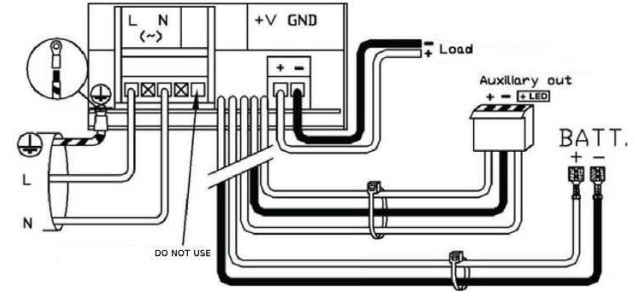
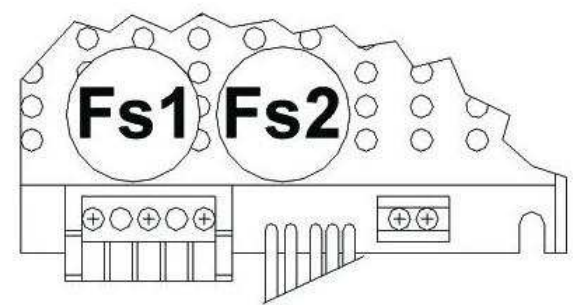


Fig. 2 Fuses



| P/N | DC Output | Charger O/P | Battery Capacity | Tol. | R&N | Effi. | Load Regulation | Line Regulation |
|--------------|---------------|-------------------|------------------|-------|-------|-------|-----------------|-----------------|
| ESP-140-13.8 | 13.8Vdc 0~10A | 13.8Vdc 6.3A Fuse | 12V 42Ah | +/-2% | 120mV | 76% | +/- 2% | +/- 1% |
| ESP-140-27.6 | 27.6Vdc 0~5A | 27.6Vdc 6.3A Fuse | 2x12V 17Ah | +/-2% | 240mV | 80% | +/- 2% | +/- 1% |