YPSV12A5 POWER SUPPLY SYSTEM

Key Features:

- 220VAC / 12VDC~13.5VDC / 5A linear Power Supply
- MCU programmable control and monitor Power Supply output status
- Build in Battery Charger (Pulse mode charging / Battery fault detection)
- Support automatic switchover to Battery Backup unit when AC shutdown
- Flexible fine turn DC output level with 3 jumper selection 0.25V step
- DC output short circuit projection (current limited on 6Amp) no any damaged
- LED panel shown out whole system in working status (Option)
- Low noise Fan cooling design, monitoring Heat Sink tempurture

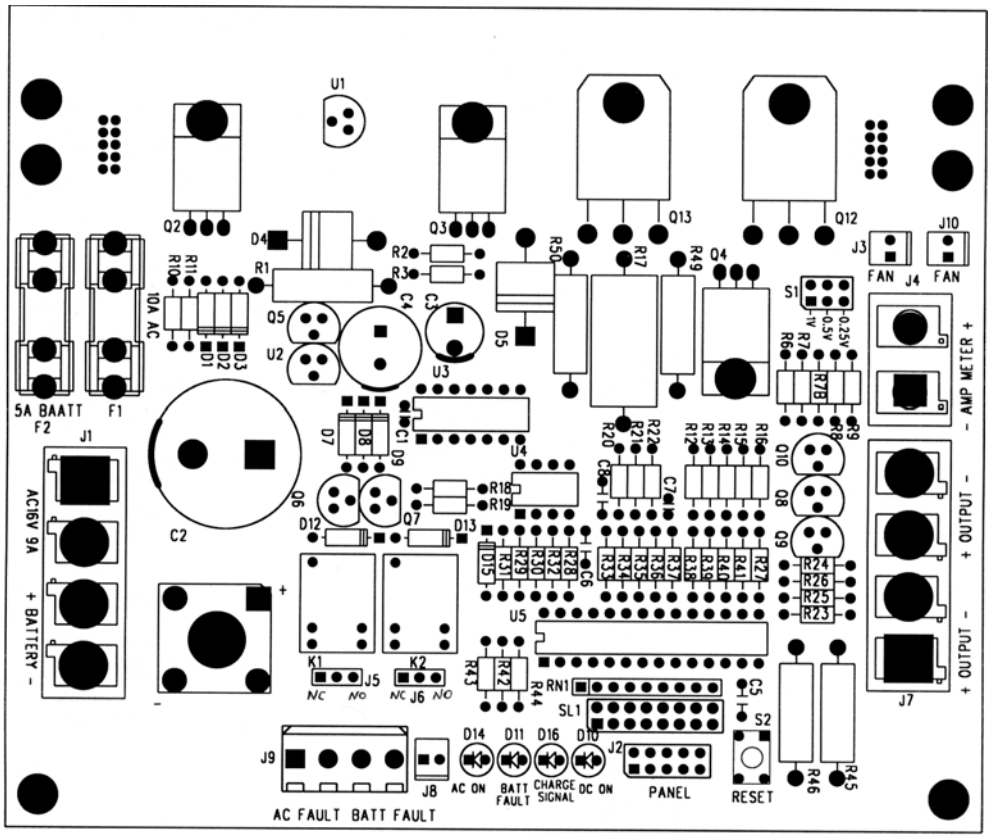
Technical Specification:

- AC IN - 220VAC 50Hz , 100Wmax
- MCU control & monitor AC in / DC out / Battery charge status
- DC out voltage – 13.75~12VDC flexible fine turn with jumper selection, 0.25V step (-1.0V / -0.5V / -0.25V)
- 5 Amp current full load output
- Output over current protection trips at 6A
- Plus mode charge battery at 0.25A max. When battery level up to 13.75V will be stopped charging automatically.
- No battery / battery voltage too low will indicate battery fault
- Isolated remote AC Fault and Battery fault signal terminal connection
- Fan cooling start on 60dregC and stop on 52 dregC.
- 4 on board LEDs are showing AC ON / Batt. Fault / Batt. Charge / DC ON status
- Support Panel display status (Option: Panel display unit)
- Automatic switchover to Battery Backup 12V-7.2A unit when AC shutdown
- 12volt 7amp Rechargeable LEAD-ACID battery (Option)
- Size : (L) 37cm X (W) 24cm X (H) 12cm

Supply board LED display status:

- AC ON – [ON : AC Operation , OFF : AC input Fault]
- Batt Fault – [ON : Battery too low / No battery connect , OFF : Battery OK]
- Charge signal – [Flashing : Battery in charge process , ON : Battery Full]
- DC ON – [ON : DC output in normal , OFF : DC output fault]

Power Supply Board connection:



#1 Connect greater than 80W power and 220Vac to 16Vac isolated step-down AC Transformer

#2 Connect 12V 7.2A Battery for AC fault backup power

#3 Connect DC Current Meter (option) to monitor actual loading current, it default to short

#4 & #5 Two DC output ports terminal

#5 AC Fault signal : normal closing or normal opening, it depend on J5 nc/no selection

#6 Battery Fault signal : normal closing or normal opening, it depend on J6 nc/no selection