

DC STANDBY POWER SUPPLY FOR SWITCH TRIPPING EQUIPMENT

MAINS INPUT : 240VAC $\pm 10\%$, 50Hz $\pm 5\%$, Single Phase

MODEL	OUTPUT VOLTAGE	CURRENT RATING
AP-STU-24V-XX	24VDC	3A / 6A / 10A
AP-STU-30V-XX	30VDC	
AP-STU-110V-XX	110VDC	

* Others Chargers rating available on request



GENERAL

- ▲ ACCUPRO STU Switch Tripping Supply are self-contained consisting of an charger and battery pack within a cabinet. The charger and battery pack are housed in separate compartments.
- ▲ There are three standard models for use with a 24V, 30V and 110V battery pack respectively. They are AP-STU-24-XX, AP-STU-30-XX, AP-STU-110-XX where XX is the current rating.

CONSTANT VOLTAGE OUTPUT

- ▲ A high frequency switching Mosfet is used to control and regulate output voltage at a constant level to charge the battery and at the same time to power the load. (switching frequency is 52 KHz $\pm 5\%$)
- ▲ DC output regulation is within $\pm 1\%$ for nominal AC mains $\pm 10\%$, frequency $\pm 5\%$, load current 0 to 100%.

CURRENT LIMIT OUTPUT

- ▲ Output current is limited to maximum rated current of the charger.
- ▲ Output short circuit and reverse battery protection is included.

TWO CHARGING MODES

- ▲ Charger can be selected for 'Float' or 'Boost' charge voltage selection.
 For Nickel Cadmium cells : Float at 1.40 ~ 1.45V/cell Boost at 1.60 ~ 1.65V/cell
 For Lead Acid cells : Float at 2.23 ~ 2.27V/cell Boost at 2.30V/cell

STANDARD FEATURES

- ▲ Meter - Moving coil DC Ammeter & Voltmeter, Class 2.5
- ▲ Control - Mains Input MCB, Battery Input MCB, DC Output MCB.
 - Mains Input ON/OFF switch with Neon, AC & DC Fuse (24V/30V 3A)
- ▲ Indicator - Float / Boost selector switch with LED

OPTIONAL FEATURES

- ▲ Multi-alarm - Mains Fail, Charger Fail, DC low, DC high & Earth Fault.
- ▲ Contact - A summary Alarm Contact for remote signaling.

CUBICLE CONSTRUCTION

- ▲ A standard wall mounting / floor standing cubicle sheet steel enclosure with front opening door and coated with oven baked epoxy finishing. Alternatively a cubicle to suit the customers requirement can be made.
 A) H 650 x W 450 x D 320 mm B) H 1000 x W 550 x D 470 mm
 C) H 1100 x W 650 x D 320 mm D) H 1700 x W 850 x D 500 mm

APPLICATIONS

- ▲ Switch Tripping DC Control Equipment Signaling & Alarm System
- Instrumentation Emergency Light Standby Fire & Security System