



## PDS Design Solutions Ltd

### 3- step lead acid battery charger(Universal input 100---240VAC) 24V13.5A 400W

The members of this family of automatic battery chargers can depending on their rating, charge battery of upto 300AH capacity.

This chargers, operating in I-U-U type characteristics, will always start up a new charge cycle in constant current mode. Having reached a cell 2.4V, the charger changes into the timed absorption, or constant voltage mode.

Once the pre-set stretch of time has fully elapsed, the charger goes into standby or float charge, with the charge current now down to a trickle.

Should the battery, suddenly be drained by a heavy load connected, the charger will re-start in constant current mode and run its charge routine in full, replenishing the battery's energy lost.

The robust, attractive metal enclosure with its inherently superior shielding properties, is much appreciated when EMC and EMI are an issue.

A solid 4-screw terminal block makes connecting and clamping of wire ends, cable lugs or ring terminals, a straight forward and easy task. Attachable mounting brackets turn the desktop charger, in no time, into a wall mount unit.

**Protection features** to provide maximum safety for your battery and equipment.

This modified sine wave inverter is equipped with the following protective features:

- Low battery warning
- Short circuit protection
- Reverse polarity protection
- High efficiency
- Under/Over voltage protection
- Overload management
- Low voltage shutdown
- Universal input 100---240VAC

INPUT:

Universal Input : 100---240VAC

Input capacity(max.): 530W

OUTPUT:

- No load voltage:  $29.6 \pm 0.2V$
- Transferring Voltage: 28---28.4V
- Float charging voltage:  $27.6 \pm 0.2V$
- Constant current:  $13.5A \pm 0.5A$

INDICATION

- RED LED: Constant current
- Yellow LED: Constant voltage
- Green LED: Floating charging

DIMENSION: 222\*122\*70mm, Weight: 1.8kg

CHARGE STATUS: (see right picture)

