

POWERSUPPLIES

4-step intelligent Lead Acid charger 100W



- 4 segment led indicator showing charging status
- Suitable for 7 - 50Ah SLA, AGM and GEL batteries
- Very compact size
- Manufactured according to EN60335
- AC input IEC320 C14

When connecting the charger to mains voltage the "Power led" lights up.

Step 1 (Ud): De-sulphatation of the battery by pulsating voltage, 18V (only for the 12V model).

Step 2 (Im): Bulk charging starts with C.C. (constant current). Step 3 (Uo): Bulk charge with C.V (constant voltage 14.7V for 12V model) until battery is fully charged. Step 4 (Up): Float charge – maintain charging.

Technical data:

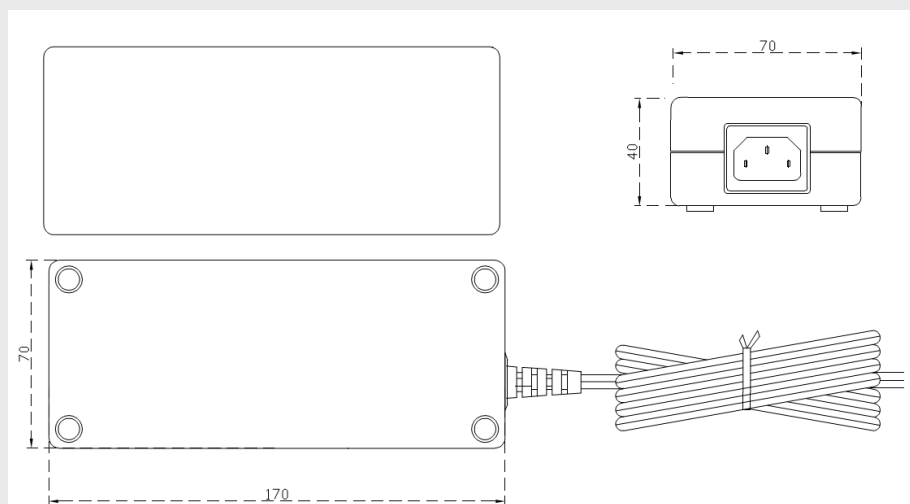
Input:

| | |
|---------------------|-------------------------------|
| Input voltage: | 90-264VAC – 3pol IEC320 / C14 |
| Frequency: | 47-63 Hz |
| Input current max: | 1.6A |
| Back current drain: | <1.3mA |

Output:

| | |
|---------------------------|--------------------------------------------------------|
| Charge voltage: | See below table |
| Charge current: | See below table |
| Charging steps: | Ud (12V model) – Im (C.C.) – Uo (C.V.) – Up (Maintain) |
| Ripple: | <200mV max |
| Efficiency: | >80% |
| Short circuit protection: | Auto recovery (all green led blinking) |
| Polvändningsskydd: | Auto recovery (all green led blinking) |
| Temperature range: | -20°C...+50°C |
| Plug and cable | 1.5m, all kind of plugs are available |
| Size: | 170x70x40mm |
| Weight: | 400g |
| Safety and EMI: | CE, EN60335, UL1301 |

Mechanical drawing:



Ordering information:

| Type | Battery | Charging voltage | Charging current |
|-------------|---------|------------------|------------------|
| PLAC100-12V | 12 VDC | 14.7 VDC | 5.0 A |
| PLAC100-24V | 24 VDC | 29.4 VDC | 2.8 A |
| PLAC100-36V | 36 VDC | 44.1 VDC | 1.8 A |
| PLAC100-48V | 48 VDC | 58.5 VDC | 1.7 A |