



FEATURES:

- PMW shunt battery charging
- State of charge(SOC) battery regulation
- Energy management for hybrid systems
- Built in Ah counter
- Boost charging
- Equalising charge
- Float charging
- Automatic load reconnection
- Automatic selection of voltage for 12V/24V
- Temperature compensation
- Positive grounding or negative grounding on one terminal
- Field adjustable parameters by four buttons
- Lighting control options during night time
- RJ45 interface

ELECTRONIC PROTECTION FUNCTIONS :

- High voltage disconnect (HVD)
- Low voltage disconnect (LWD)
- Depth of dischargeconnection
- Reverse polarity of solar modules
- Reverse polarity of load & battery
- Short circuit of solar modules
- Short circuit of load
- Over temperature
- Over voltage
- Lightning protection by varistor
- Low electronic interference
- Open circuit battery
- Reverse current at night

DISPLAYS:

- Two line LCDshowing SOC, Vbat , allcurrents Ah, alarms,charging prosedure

CERTIFICATES:

- Reverse current at night
- Compliant with European Standarts (CE)
- ROHS compliant
- Made in China

| Model No | TAROM 235 | TAROM 245 | TAROM 440 |
|---|--|------------------------|--------------|
| SYSTEM VOLTAGE | 12V (24V) | 12V (24V) | 12V (24V) |
| OWN CONSUMPTION | 14mA | 14mA | 14mA |
| OPEN CIRCUIT SOLAR VOLTAGE MODULE | <47V | <47V | <82V |
| MODULE CURRENT | 35A | 45A | 40A |
| LOAD CURRENT | 35A | 45A | 40A |
| END OF CHARGE VOLTAGE(FLOAT) | 13.7V (27.4V) | 13.7V (27.4V) | 54,8V |
| BOOST CHARGE VOLTAGE , 1 H | 14.4V (28.8V) | 14.4V (28.8V) | 57,6V |
| ALISATION CHARGE(DEACTIVED FOR GEL ACCU), 1 H | 14.7V (29.4V) | 14.7V (29.4V) | 58,8V |
| RECONNECTION SETPOINT (SOC/LVR) | > 50% / 12.6V (25.2V) | > 50% / 12.6V (25.2V) | >50% / 50.4V |
| DEEPPDISCHARGE WARNING | < 30% / 11.1V (22.2V) | < 30% / 11.1V (22.2V) | <30% / 44.4V |
| DEEPPDISCHARGE PROTECTION(SOC/LVD) | < 30% / 11.2V ~ 11.6V (22.1V ~ 23.2V) | | |
| AMBIENT TEMPERATURE ALLOWED | -10 °C to +60 °C | | |
| TERMINAL SIZE (FINE / SINGLE WIRE) | 16 mm ² /25 mm ² | | |
| ENCLOSURE PROTECTION CLASS | IP 32 | | |
| DIMENSIONS (L x W x H) | 187 x 128 x 49 mm | | |
| DIMENSIONS, INCHES (L x W x H) | 7.36 x 5 x 1,9 inches | | |
| WEIGHT, KG | 0.55 | | |
| WEIGHT, LB | 1,22 lb | | |

