

Ecoterm (14 A)

Solar Charge Controller



- Electronic controlled charging: boost and float charge
- Deep discharge protection
- PWM series regulation (PV panel will not be short-circuited)
- · Integrated temperature compensation
- Fully electronically protected against:
 - Panel surge voltage
 - Wrong polarity (panel or battery)
 - Overload and short circuit at load
- Three LED indications: Charge Status, SOC, LVD, Overload/ Short Circuit
- · Common positive
- IP68 (casing) IP21 (contacts)

The Ecoterm solar charge controller has been especially designed for small solar systems requiring low-battery disconnect. Three LEDs display charging progress, battery

SOC and load status (load disconnect). Rural electrification systems are the typical applications for this product. It is a perfect solution for cost-sensitive systems.

| Туре | Ecoterm 14 |
|----------------------------|--------------------------------------|
| System voltage | 12 V |
| Max. charge/load current | 14 A |
| Float charge | 13.8 V (25 °C) |
| Main charge | 14.4 V (25 °C), 0.5 h (daily) |
| Boost charge | 14.4 V (25 °C), 2 h |
| | Activation: battery voltage < 12.3 V |
| Deep discharge protection, | 11.0 V |
| Cut-off voltage | |
| Overvoltage protection | 15.5 V |
| Undervoltage protection | 10.5 V |
| Max. PV panel voltage | 30 V |
| Temperature compensation | -4.2 mV/K (2 V cell) |
| Idle self consumption | 4 mA |
| Grounding | Positive grounded |
| Ambient temperature | -40 to +60 °C |
| Max. altitude | 4,000 m above sea level |
| Battery type | Lead acid (GEL, AGM, flooded) |
| Max. wire cross section | 10 mm ² |
| Dimensions (W x H x D) | 100 x 61 x 20 mm |
| Weight | 160 g |
| Type of protection | IP68 (casing), IP21 (contacts) |

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