

THE DRIFTER^{BM}



The DrifterBM is a revolutionary device that continuously monitors 12 Volt lead acid batteries. This unit is vital to making an accurate estimate of remaining battery charge and allows the user to determine when a battery should be recharged. It is compatible with any deep cycle 12 Volt Lead-Acid battery including Valve-Regulated Lead-Acid (VRLA), Absorbed Glass Mat (AGM) and Gel batteries, as well as traditional non-sealed batteries.

This device is permanently wired into your 12 Volt electrical system and continuously monitors battery voltage and charge/discharge current. It uses this information, together with several parameters that are set by the user, to model battery behaviour and to estimate actual charge in the battery. The current drain of the unit is only 3 mA, which is much less than the normal self-discharge of a battery.

Key features

- › Displays remaining time left in battery
- › Acts as a fuel gauge by monitoring and displaying information such as battery volts and amps, charge/discharge status, and remaining capacity
- › Large LCD screen for day and night viewing
- › Low voltage warning
- › Clock
- › 2 accessory switches
- › USB charging port



Safety standards

- › IEC 60950-1
- › IEC 61010-1

EMC standards

- › CISPR 11

EMS standards

- › ISO 7637-2
- › IEC 61000-4-2

| SPECIFICATION | |
|------------------------------------|--|
| Voltage Measurement Range | 8 V to 15 V |
| Shunt Resistance and Current Range | 1 mΩ ± 1% ± 100 A |
| Monitored Battery Capacity | 7 Ah to 999 Ah |
| Visual Warning | 10.5 V to 12.5V (Low Battery Volt) |
| USB Charger Output | 5.0 V ± 5% 0.9 A max, 1.2 A peak |
| Clock | 12 h (AM and PM indicator) |
| Back light | Yes |
| GENERAL SPECIFICATION | |
| Input Voltage | 8 V to 15 V |
| Input Current | 0.7 A max |
| Quiescent Current Drain | < 3 mA |
| Fault Protection | Reversed Battery Protection (Installation) |
| Operating Temperature | 0 °C to 50 °C |
| Humidity | Operating ≤ 85% RH non-condensing Non-operating ≤ 95% RH non-condensing |
| Altitude | Operating: 2000 m Non-operating: 15000 m |
| MTBF | 50000 hours at 40 °C |
| Dimensions | 149 mm x 85 mm x 22 mm (LxHxW) |
| Weight | 0.21 kg (unit only) Approx. 1 kg boxed with accessories |
| Installation | Wall mounted |
| Accessories | Mounting Bracket, Current Shunt, Cables |



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SWITCH OFF. POWER UP

All data is subject to change without notice V1BC-200114