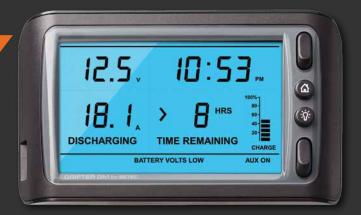
# THE DRIFTERB



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 selfdischarge 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

- > IFC 61000-4-2

# **EMC** standards

> CISPR 11



# **EMS** standards

- > ISO 7637-2





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**SPECIFICATION** 

Visual Warning

USB Charger Output

**GENERAL SPECIFICATION** 

Quiescent Current Drain

Operating Temperature

Range

Clock

Back light

Input Voltage

Input Current

Fault Protection

Humidity

Altitude

MTBF

Weiaht

Dimensions

Installation

Accessories

Voltage Measurement Range

Shunt Resistance and Current

Monitored Battery Capacity

8 V to 15 V

 $1 \text{ m}\Omega \pm 1\%$ 

7 Ah to 999 Ah

 $5.0 \text{ V} \pm 5\%$ 

8 V to 15 V

0 °C to 50 °C

condensing

Operating: 2000 m

Non-operating: 15000 m

50000 hours at 40 °C

0.21 kg (unit only)

Wall mounted

Cables

0.7 A max

 $< 3 \, \text{mA}$ 

Yes

0.9 A max, 1.2 A peak

12 h (AM and PM indicator)

10.5 V to 12.5V (Low Battery Volt)

Reversed Battery Protection (Installation)

Operating ≤ 85% RH non-condensing

149 mm x 85 mm x 22 mm (LxHxW)

Approx. 1 kg boxed with accessories

Mounting Bracket, Current Shunt,

Non-operating ≤ 95% RH non-

± 100 A

