

1. Water Resistant/Proof to IP68 standard (Main unit only, not power leads)
2. 4 stages intelligent charge program *Includes wall mounting bracket.*
  - Qualification
  - Bulk charge
  - Absorption charge
  - Maintenance mode
3. Spark proof
4. Reverse polarity protect
5. Short-circuit protect
6. Over-charge protect



Specifications:		
Operation	Details	LED indicators
Input current	220-240V 50Hz 120V 60Hz	Once main power connect, the Power indicator is switched on permanently: Red color
Output current	12V DC @ 1.5 Amp	The charger detects the battery status prior to charge
Wrong polarity connected	No DC output occur	Wrong polarity indicator (Red color) is switched on when reverse polarity connected
Dead battery detect	No DC output occur	Alert indicator (Red color) is flashing: - When battery has detected 3.0V or below OR - When charge commence, as long as battery level has frozen at same level in between 3.0V and 10.5V excess 5 hours, it means unable to raise the battery voltage any more, then red alert light flashes. - The charger will then cut off the charge current automatically.
Bulk charge	12V DC @ 1.5 Amp. A constant current 1.5A is forced to raise the battery voltage up to about 80% full	Bulk charge indicator (Red color) is switched on. As long as the battery properly connect and charge commence.
Absorption charge	The battery is about 80% full, at this stage the charger would provide the appropriate current until the battery is full charged.	Absorption indicator ( Yellow color) is switched on.
Maintenance Charge	The battery has reached 14.4V+/-0.2V, and will be maintained at 13.2V +/-0.3V	Maintenance indicator ( Green color) is switched on. When the battery is fully charged and maintained at 13.2V +/-0.3V. The battery can be connected permanently and ready to go.
Battery in maintenance	The battery's voltage is keeping at 13.2V +/- 0.3V	The maintenance LED is switched on while maintaining, but the indicators for Bulk and Absorption will then switched off.