

## POWER SUPPLY

## ACCESSORIES

**BALAJI HydroMet** having both type of lead and lit tum battery charger Controller. Model BHM-A-BTC is an advanced micro controller unit based PMW technology littum battery charge controller. The Charging Processing has been optimized for longer battery life and improve system Efficiency. Solar charging comes with the 20 to 50 watts 12 V solar panel (as per the site, instruments and back up requirement battery Amp will be increase)

### DATA LOGGER -VIEW

#### PROFESSIONAL LINE

#### SPECIFICATION

<b>Model</b>	<b>BHM-A-BTC</b>
<b>Charge Controller Type</b>	MCU based PWM Controlled Charging
<b>Charging Type</b>	CC-CV (buck charging)
<b>BMS Integration</b>	Compatible with BMS of LiFePo4 Battery
<b>Charge Controller Range</b>	PV Input Voltage 18-60V Battery 12.8 / 10A
<b>Charging Current Rate at 12.8V</b>	10A
<b>Efficiency Overall</b>	>90% Solar Charge controller >85% (Total Electronic Efficiency)
<b>Temperature Compensa_on</b>	3mV / Degree C
<b>Indication</b>	Battery Charging- Yellow LED blinking Low Battery – Red LED on Battery Full Charged – Yellow LED stable Reverse Connection, Error – Red LED on
<b>Corrosion Protection</b>	Electronic circuit protected with conformal coating (Protection against moisture, dust, chemicals, and temperature extremes)
<b>Acoustic Noise</b>	Less than 35 dB at a distance of 1 meter
<b>Protections</b>	<ul style="list-style-type: none"> <li>• Solar Battery Reserved Protection</li> <li>• Reserve Current from Battery at night (blocking diode)</li> <li>• No loads auto cut off (Battery saver mode)</li> <li>• Miswiring / Reverse Polarity Protection (Fuse)</li> <li>• Transient / Surge</li> <li>• Over Charging</li> <li>• Deep Discharge</li> <li>• Overload-Auto Shutdown And Restart</li> </ul>
<b>Idle Current (Self Consumption)</b>	<10mA
<b>Voltage Drop Battery-Use</b>	<2%
<b>Battery Voltage Settings</b>	High Voltage Cut Off - 14.6Volt Battery Low Disconnect - 11.6Volt Load Reconnect - 12.8Volt

### Application - VIEW

- Solar Pannel charging
- Battery Charging

### Solar Panel - VIEW

Standard solar charges controller unit comes with 30-watt Solar Panel the mounting U clamp for 32 mm diameter pipe.

