



Battery Equalizer

Complete control over the charging process for longer Battery life

When you use multiple batteries in any of the systems, after some time the battery voltage of all the cells varies. This happens due to ageing, temperature and charging through the inverter/UPS. These batteries connected in series and when put on charging may behave differently depending on the charge conditions. This results in batteries with higher charge may get over charge while the battery which is undercharge may never get completely charge.

Our battery equalizer, equalizes battery voltage of all the attached battery. This ensures that all batteries are at the same level which is very important for the life and performance of the batteries.

Why Equalizer?

- · The Equalizer is a direction circuit which balances the voltage between two or more Individual batteries connected in series during charge, discharge and idle periods
- · The Equalizer prevents severe under and over voltage so common is series connections Which can compromise the performance reliability and life of battery systems.
- Equalized batteries are able to receive full clean charge increasing battery. Pack power, capacity and life therefore supporting

Applications

- Telecom
- Banks
- · Aviation Industry
- UPS & Inverter Application
- Morino



- . Reduces the battery replacement which again greatly reduces the cost
- Suitable for N numbers of batteries by utilizing multiple units together
- Appropriate for Gel. Sealed and AGM Lead Acid hatteries. Works with conventional flooded lead acid batteries and SMF batteries
- Extends hattery life and run time
- Prevents over and under charge due to battery imbalance

· Series strings of storage batteries are used commonly with UPS, Inverter, Telecom SMPS Power

When this series string is charged as a unit, slight mismatches or temp differences cause charge imbalance in the form of unequal voltages amongst the batteries. Once imbalance occurs, it tends to grow with time. Low

voltage batteries charge less effectively and high voltage batteries charge relatively faster. One needs to ensure that if different batteries are at different voltage/power levels, then balancing is done to get maximum power, better efficiency & ife from

Battery equalization is to correct this limbalance The Equalizer is a bi-directional circuit which balances

the voltage between two or more individual batteries connected in series charge, discharge and idle periods.

 The Equalizer prevents severe under and over voltage. common in series connections, which can compromise the performance, reliability, and life of the battery system.

· Equalized batteries are able to receive a full, clean charge, increasing battery capacity and life, supporting your mission much better. · Single equalizer can be used for at least 2 numbers of

batteries and maximum for 4 numbers of batteries connected in series.

· Two equalizer units can be used for a maximum 7 numbers of batteries connected in series.

Three equalizer units can be used for a maximum for 10 numbers of batteries connected in series.

N equalizer units can be used for a maximum (3N+1) numbers of batteries connected in series.







EQUALIZER SPECIFICATIONS

Graph shows that 4 batteries with unequal voltage levels connected in series are reaching the same voltage level when an equalizer is connected.



equalized by battery eq









