

EBS series

Automatic/Emergency Battery Switcher

STEED EBS series of EMERGENCY BATTERY SWITCHER are designed for use in remote site and base station applications where continuous power supply is required to maintain continual equipment operation. In the event of AC Mains power failure, the device immediately switches to a back-up battery from where alternate DC power can be derived to work the equipment(s) without any interruption. When the AC Mains power is restored, the EBS device switches back to the Power Supply automatically and at the same time, continues to trickle charge the back-up battery into a stand-by state and ready for the next round of emergency function, if any.

Features and Electrical Characteristics:

- ◇ Instantaneous switch-over to back-up battery when AC Mains power failure occurs.
- ◇ Auto Switch-back to Mains Power Supply when AC Mains power is restored.
- ◇ Trickle charge of battery during normal operation with provision for charging rate adjustment by using a combination of bulbs' capacity.
- ◇ Isolates Supply from battery source when AC Mains is off, so as to prevent any damage that may arise from the battery pack's un-determinable high voltage.
- ◇ Reverse Polarity and Short circuit protection.
- ◇ Terminal for optional add-on of remote alarm device.
- ◇ High quality and heavy duty components used.



Model	Operating Voltage	Current Load	Dimension	Weight
EBS-1215	13.8V DC	15Amp Max.	W80xH64.5xD119.5mm	Approx. 0.3KG
EBS-1235	13.8V DC	35Amp Max.	W105xH76xD183mm	Approx. 0.9KG
EBS-2410	24.0V DC	10Amp Max.	W80xH64.5xD119.5mm	Approx. 0.3KG
EBS-2430	24.0V DC	30Amp Max.	W105xH76xD183mm	Approx. 0.9KG
EBS-3610	36.0V DC	10Amp Max.	W80xH64.5xD119.5mm	Approx. 0.3KG
EBS-3625	36.0V DC	25Amp Max.	W105xH76xD183mm	Approx. 0.9KG
EBS-4810	48.0V DC	10Amp Max.	W80xH64.5xD119.5mm	Approx. 0.3KG
EBS-4820	48.0V DC	20Amp Max.	W105xH76xD183mm	Approx. 0.9KG

Typical Circuit Diagram and connection of Model EBS-1235.

