

KIRLOSKAR

ELECTRIC



Kirloskar

BATTERY CHARGER

Certified ISO 9001:2000 by

BVQi

INTRODUCTION

Kirloskar Electric introduces state-of-the-art technology Full Wave Thyristor controlled Battery Charger, manufactured using the best quality components at our modern manufacturing facility located at Mysore. The Battery Charger can be used either in Constant Voltage mode charging or in Constant Current mode charging.

FEATURES

- Automatic change-over from Float to Boost Mode and Boost to Float Mode.
- Efficiency - Better than 80% at nominal input and nominal output from 50% to 100% load.
- High reliability and minimum downtime due to usage of ribbon cable connectors.
- Soft start feature minimises the starting current surges.
- Voltage regulation better than +/- 0.05V per cell in constant voltage mode.
- Ripple is less than 3% RMS of full load current.
- Built-in status indication LED's for diagnosis and Automatic electronic trip and pulse inhibition.
- High degree of immunity towards supply transients.
- Regenerative feature is available as an option.
- Topologies: Float Cum Boost, Float & Boost, Float & Float Cum Boost, Float Cum Boost Redundancy.

BATTERY CHARGER



SPECIFICATIONS

MODEL	BC15s	BC30s	BC20	BC30	BC50	BC70	BC100	BC150	BC200	BC250	BC300	BC500
Output DC Current (A)	15	30	20	30	50	70	100	150	200	250	300	500
Input Supply	1Phase : 230V, +/-10% 50Hz, +/-5%		3Phase : 415V, +/-10% : 50Hz, +/-5% : 4 Wire									
Output voltage (Battery)	24 - 33V (24V), 48 - 66V (48V), 110 - 155V (110V) and 220 - 310V (220V)											
Controls and Indications	Potentiometers : Voltage, Current Setting. Switches : Charger On / Off, Float / Boost / Auto. Push Button : Fault Reset. Meters : DC output voltmeter and ammeter. Lamps : Mains On, Charger On / Failure, Float On, Boost On, Charger DC output over voltage and under voltage.											
Protections	Automatic electronic trip and high speed pulse inhibition under fault conditions such as:- ● Phase failure, Wrong phase sequence, Short circuit, Charger voltage feedback failure. ● Charger current limit, Charger overload, Charger DC output over voltage and under voltage.											
Enclosure	Standard is IP 30, 20% deration for IP40 and for others, please contact Kirloskar Electric.											
Environmental Conditions	Humidity : 95% RH or less (non - condensing). Temperature : Ambient: Operation (0°C to 50°C) and Storage (-10°C to 65°C). Location : Indoor - Less than 1000 metres above Mean Sea Level (without deration).											
Optional	Protections : AC Input over voltage and under voltage, Battery reversal. Meters : AC Input voltmeter and ammeter with switches. Lamps : AC Input over voltage and under voltage.											
Applications	Railways, Electric Sub-stations, Power House, Power & Co-Generation Stations etc.											

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