Battery Charger
Rectifier (BC/R Type)



FLEXIBILITY FOR CUSTOMIZED SOLUTIONS

The Battery Charger is fully adaptable to customers power protection needs. A full range of additional options is available enabling us to tailor solutions for diverse industrial environments :

- SCR full-bridge rectifiers
- Fast acting fuse
- Voltage-absorbing unit
- Up to IP42
- Wide adjusted voltage and current range
- Battery Management System
- Multiple protection

RELIABILITY

The Battery Charger provides lasting secure power architecture for your industrial applications design (vertical through: Natural ventilation on most of the range Continuous operation at full load in permanent 50°C ambient temperature. System lifetime of 20 years in continuous operation conditions Robust mechanical and horizontal acceleration stress up to 0.5 g as standard).

COMMUNICATION

The Battery Charger uses intuitive Indonesia digital graphic control, meaning system status, measurements and alarms are accessible from the front panel of the equipment. The embedded 'event Log' function allows the user to trace the events. Event memory is activated from the first appearance on RS232.

MONITORING

- Continuous real time monitoring
- Regular transmission of an operating status report
- Performance analysis
- Power quality monitoring to analyze mains disturbance trends

APPLICATIONS

The Battery Charger protects DC powered electrical equipment of heavy duty applications, such as :

- Refining, petrochemicals
- Power generation, transmission and distribution
- Transportation (rail, aeronautic)

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V 2.0.2025

TECHNICAL SPECIFICATIONS	
Nominal Voltage	16.5-165V
Nominal Current	20-100A
Input Supply	Single phase 220V Three phase 380V/400V
Input Voltage/Frequency Tolerance	± 10% , 50Hz ± 5%
Output Voltage	16.5-165V
Voltage Ripple	<2% specified full load and with battery connected
Static Voltage Regulation	± 1% for 0-100% load variation, ± 10% AC input voltage variation and 5% AC input frequency variation
Dynamic Voltage	5% for load variation of 10% to 100% or 100% to 10%
Current Regulation	± 1%
Protection	Input Circuit Breaker, Output breaker, Charger Output Circuit Breaker*, Charger Current Limit, Phase lost protection*, Surge and Lightning protections, Over Load, Over Voltage, Over Heat
Alarms	Charger Fail, Over Voltage Trip, Phase Loss, Over Load, Over Voltage, Over Heat
Metering	Front-panel analog meters, Charge Voltage, Charge Current, Load Voltage, Load Current
Pulse	6 – 12 pulses
Options	Dropping diodes 7 steps, Filter capacitor, Other input voltage, Extended input voltage tolerance, DC distribution, Earth fault monitoring, Buzzer, For display the voltage and current of charger on the panel
Physical	Wall mount or free standing powder coated metal cabinet (Dimensions depend on charger output rating and associated battery requirements)
Environmental	up to 50℃, up to 95% humidity
Operating Altitude (m)	3000 (without derating)
Efficiency	80 to 93% depending on nominal voltage and power rating
Audible Noise	< 70 dB
Revert to Factory Settings	Reinstates all original factory settings
System	SCR full-bridge, Intelligence charging management, Fast acting fuse
Certificate	Local Content (TKDN) certified by Ministry of Industry (Indonesia), according to IEC 60146, IEC 60439, IEC 60726, IEC 62040
Type Certified by Local Content	BC/R 110V 30A, BC/R 110V 40A, BC/R 110V 50A, BC/R 110V 60A

The function marked" *" need additional accessories to achieve.
For other voltages, please contact us. This product may differ from the product photograph on the front cover.

Designed by : PT LISTRIKUM

Assembled by : PT SENZO FAB

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