

The rectifier range BCSe is designed for user-friendly operation and is easy to adjust. The microprocessor controlled rectifier offers many of alarm and status contacts as standard.



BATTERY CHARGER / RECTIFIER

BCSe

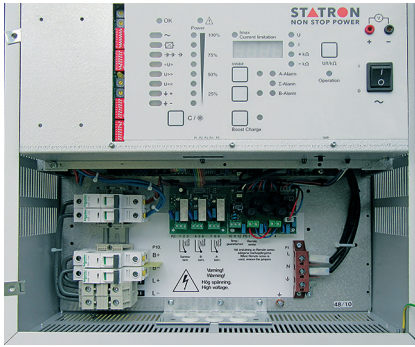
24/48/60/110/220V

Key features

- ▶ Based on well proven technology platform
- ▶ Power factor corrected rectifier (PF 0,99)
- ▶ Simple to use, easy to adjust
- ▶ Clear structured front panel
- ▶ High efficiency
- ▶ Very low ripple voltage
- ▶ Design life of up to 20 years

Operational benefits

- ▶ High reliability
- ▶ No reactive power consumption
- ▶ Low service costs
- ▶ Easy operation and control
- ▶ Low power consumption costs
- ▶ Increased lifetime of battery
- ▶ Long durability



Standard features

Statron's BCSe range offers many outstanding standard features enabling a secure supply of the critical loads. These features are:

- Different DC voltage
12/24/48/60/110/220V
- Short circuit proof

- Switch mode technology (160 kHz)
- Compact design, small dimensions
- Digital Volt-, & Amperemeter
- A-Alarm and B-Alarm
- Float and Boost charge level
- Potential-free contacts
- Easy to understand and to operate HMI
- Battery MCB included
- Power factor correction PF >0,99
- Bottom cable entry



Options

The range of options enable a fully customized solution meeting any specific requirement, such as:

- Sensor for temperature compensation
- Additional alarm relay card (8 separate alarms)
- Change of input from 1-phase to 3-phase
- Change of input from 3-phase to 1-phase
- Battery symmetry monitoring
- DC-Distribution
- 5pc. MCB 1-pole or 3pc. MCB 2-pole
- Batteries in rectifier cabinet (48V system)
- Current ratings from 24V/400A up to 220V/50A
- Special cabinet colour
- Customized cabinet with batteries and distribution included

Technical Specification | BCSe 12/24/48/60/110/220V

DC voltage	Nominal output current	
12 V	5-35A (1-phase input)	
24 V	2,5 -120A (1-phase input)	140 - 400A (3-phase input)
48 V	2,5 - 60A (1-phase input)	70 - 200A (3-phase input)
60 V	4 - 40A (1-phase input)	
110 V	2,5 - 30A (1-phase input)	40 - 100A (3-phase input)
220 V	2,5 - 10A (1-phase input)	15 - 50A (3-phase input)
Input AC voltage (min. – max.)	VAC	230V-15/+15%, 47-63Hz, 1 phase; 400V-15/+15%, 47-63Hz, 3 phase (model depending)
Output voltage	VDC	12 / 24 / 48 / 60 / 110 / 220 VDC
Input power factor / cos phi	PF/cos phi	0,99 / 0,99
DC voltage regulation		+/-0,05%
Output current limitation		102% of nominal current
Efficiency	%	>85%
Charging characteristic		I/U according DIN 41773
Ripple voltage		<0,05% RMS
Operating conditions	°C	-10 bis +40 °C
	RH	95% humidity (non condensing)
	m	≤1000m m.a.s. (without derating)
Ventilation		fan cooled per power module
Protection Degree		IP40
Dimensions (WxDxH)		430 x 175(270/365) x 410(700/1250)mm, depending on model
Colours		RAL 7035
Standard protection		Input MCB, rectifier output and battery MCB, short circuit proof
Standard alarm and status indication on LCD and alarm panel		Mains failure, Charger failure, Battery circuit failure, Float voltage failure (<U>), High battery voltage, Low battery voltage, Earth fault +, Earth fault -, Load level
Potential-free contacts		3pc. Standard Alarms (A- & B-Alarm, Common-Alarm), separate relay card as option
Main applicable standard		EN 50 081-1 / -2 EMV-Emission, EN 50 082-1 and EN 50 082-2 EMC Immunity EN 55022 B RFI/EMI, EN 60 950 Safety IEC 60146-1-1 Basic requirements
Quality/Environmental		ISO 9001:2015/ISO 14001:2015

Further data available on request

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