

BAR 24 PR is used to assure DC voltage necessities of electrical plants as small substations, concrete cabinets, emergency lightings and likewise.



- Check the connections of terminals (+) and (-) before plug in.
- 2A should be used for AC fuse and 10A should be used for DC fuse.
- DC current capacity for short term is 21 A. (For a battery of 7 Ah in 1 second)
- Do not use outdoors and external systems.
- Use at least 1.5 sq. mm. cables for input voltage.
- Use at least 2.5 sq. mm. cables for DC voltage.

OPERATING PRINCIPLES

BAR 24 PR is composed of 2 batteries of 12 VDC 7Ah and a battery charger unit.

There is a voltage and current regulator designed to charge the battery and they are located on the battery charger unit. By this way, the batteries are charged according to the Ah capacity in an appropriate way.

BAR 24 PR 220 VAC input unit is isolated from the DC charger unit with a transformer.

7 Ah batteries placed on BAR 24 PR are adjusted for 2.3Volt charger unit per each cell at 20°C. Output voltage for a group of 12 cell battery is 27.6 VDC.



TECHNICAL CHARACTERISTICS

- Supply Voltage : 220 VAC 50Hz.
- Output Voltage : 27,6 VDC (Full Charged)
- Voltage stabilization: ± %20 Variation ± %1
- Start : Softstart (Ramp)
- Charge Voltage: 2.3 VDC x Cell
- Battery Cell Qty. : 12
- Operation Temperature: -5°C+ 60°C
- Battery Capacity : 7AH ,12 AH, 18 AH, 26AH
- Instant Output Current (with Battery) : 21A
- Charge Current : 2A,3A,5A

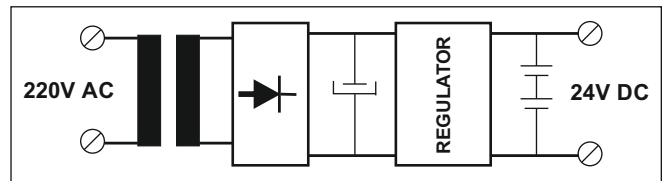
ADVANTAGES OF BAR 24 DK

- No risk of explosion.
- Maybe recharged even after deep discharge.
- Lifetime may be extended up to 5 years under normal operating conditions.
- Self discharge rate is negligible. (3% of total capacity in a month)
- Discharge curves are so smooth.
- Do not produce emission under fast charging.

CAUTIONS

- Even if supervision and management related with the use of the device is provided by a person responsible for the safety of the devices, this device is not targeted to be used by people disabled in terms of physical condition, senses and mental abilities (including children) and people not having the necessary experience and knowledge.
- In order to ensure that children do not play with the device, the children must be kept under supervision
- The device is suitable for assembly to the wall and panel cover. The device must be connected with bolts through the 5mm slots on it.
- In case the supply cable is damaged, it must be replaced with a cable or cable set that is specially prepared and supplied from the manufacturer or service agency.
- Before energizing, ensure that the device is fixed.
- Input voltage is 220 VAC 50 Hz. Operate under determined voltage, please.
- Battery groups have 7 Ah capacity. Take this value into consideration during setup, please.
- Charging current is 2A.
- Pay attention to the current that your system draws. It should be smaller than charging current. (Otherwise system will have all the charging current and the batteries will not be charged.)

CONNECTION DIAGRAM



ORDERING TABLE

ORDER CODE	Description	Package Qty.
BAR-24-2A-7AH-*	Panel Mount 2A-7AH	1
BAR-24-2A-12AH-*	Panel Mount 2A-12AH	1
BAR-24-2A-18AH-*	Panel Mount 2A-18AH	1
BAR-24-3A-12AH-*	Panel Mount 3A-12AH	1
BAR-24-3A-18AH-*	Panel Mount 3A-18AH	1
BAR-24-5A-18AH-*	Panel Mount 5A-18AH	1
BAR-24-WM-2A-7AH-*	Wall Mount 2A-7AH	1
BAR-24-WM-2A-12AH-*	Wall Mount 2A-12AH	1
BAR-24-WM-2A-18AH-*	Wall Mount 2A-18AH	1
BAR-24-WM-3A-12AH-*	Wall Mount 3A-12AH	1
BAR-24-WM-3A-18AH-*	Wall Mount 3A-18AH	1
BAR-24-WM-5A-18A-*	Wall Mount 5A-18AH	1
BAR-24-WM-5A-26AH-*	Wall Mount 5A-26AH	1

* STD - Standart Type * GST With Battery Level Indicator