



## ABC Charger 2420

**24 V built-in charger for professional use with adjustable charging characteristic for gentle charging of the battery.**

- // For all types of lead batteries
- // Also available in protection class II
- // 15 selectable charging characteristics
- // Complies with DIN 14679:2024-02

The ABC 2420 charger: Optimal charging of 24 V batteries with a charging current of 20 A. In addition, a remote display or a temperature sensor (CTS) can be connected. The battery charging is fully automatic and microprocessor-monitored with selectable charging characteristic - thus an optimal and gentle charging is guaranteed.

## Technical Information

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| CBL connection                      | No*                               |
| Charging current                    | 20 A*                             |
| Connector, AC input                 | Schuko plug (type F)*             |
| Connector Temperature Sensor        | Yes*                              |
| Output voltage (DC)                 | 24 V*                             |
| Power category                      | 600 W - 800 W*                    |
| Protection class                    | I*                                |
| Remote display connection           | Yes*                              |
| Battery capacity                    | 60 Ah ... 200 Ah                  |
| Building main fuse                  | B16 A/C16 A                       |
| Cable length, AC input              | 1.5 m, 0.75 mm <sup>2</sup>       |
| Cable length, DC output             | 2 x 2 m, 6 mm <sup>2</sup>        |
| Charging characteristic             | 15 selectable charging programmes |
| Complies with DIN 14679:2024-02     | yes                               |
| Input frequency range               | 47 Hz ... 400 Hz                  |
| Input voltage (AC)                  | 230 V                             |
| Input voltage (AC), nominal values  | 230 V/50 Hz/4 A                   |
| Input voltage range                 | 90 ... 270 V                      |
| International Protection (IP class) | IP21                              |
| Level of efficiency                 | ? 88 %                            |
| Main charge                         | 28.4 V/28.8 V                     |
| On/Off switch                       | Yes                               |
| Operating temperature               | -30 °C ... +60 °C                 |
| Ripple                              | < 3 %                             |
| Dimensions (L x W x H)              | 220 x 112 x 73 mm                 |
| Weight                              | 1.5 kg                            |

\*In the chosen option

Product information sheet

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## Technical Information

|                     |                           |
|---------------------|---------------------------|
| Switching frequency | 100 kHz                   |
| Trickle charge      | 27.2 V/27.6 V             |
| Type of battery     | Lead acid (wet, gel, AGM) |

\*In the chosen option