ABC Charger 4830

48 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 4830 charger: Optimal charging of 48 V batteries with a charging current of 30 A. In addition, a CBL 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.

LEAB by Micropower Group

Technical Information

CBL connection	Yes*
Charging current	30 A*
Connector, AC input	Schuko plug (type F)*
Connector Temperature Sensor	Yes*
Output voltage (DC)	48 V*
Power category	1.6 kW*
Protection class	I*
Remote display connection	No*
Battery capacity	90 Ah ... 300 Ah
Building main fuse	B16 A/C16 A
Cable length, AC input	1.5 m, 6 mm²
Cable length, DC output	2 x 4 m, 6 mm²
Charging characteristic	15 selectable charging programms
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	54.0 V/57.6 V
On/Off switch	No
Operating temperature	-30 °C ... +60 °C
Ripple	< 3 %
Dimensions (L x W x H)	265 x 135 x 85 mm
Weight	2.6 kg

*In the chosen option

Technical Information

Switching frequency	100 kHz
Trickle charge	40.5 V
Type of battery	Lead acid (wet, gel, AGM)

*In the chosen option