



elektrosistem



MONOPHASE AND THREE-PHASE CHARGERS

EKM



FEATURES

EKM monophase and three-phase battery chargers are reliable and intelligent devices offering high efficiency, compact size and competitive price to meet the most demanding requirements of the market.

The microprocessor logic card guarantees high safety standards and versatility. The charger can be programmed according to the battery to obtain the highest efficiency from each charging cycle respecting the battery life. A high custom profile can be obtained creating a special curve according to the battery voltage, current and charging time recommended by the battery manufacturer.

Chargers are entirely designed and manufactured in Italy.

Quality is ensured by a selection of suppliers of electronic components, a strict quality control system and operation tests carried out on all finished products.

The graphic layout can be fully customized according to the specific requirements.

TECHNICAL SPECIFICATIONS

- Microprocessor controlled electronic charge
- Safety timer for gasification and max time
- Trimmer to set gasification threshold
- Dipswitch to enable/disable equalisation
- WA charging curve (9-12h DIN 41774) for a lead acid battery
- Display to control charging with high brightness LEDs
- Fault LED
- H class isolation transformer with separate flux
- Thermal switch on the transformer
- Output protection through fuse
- Power is supplied to the electronic card through the battery
- Standard length for output cables: 2 mt (other on request)
- Protection rate: IP 20
- Operating temperature range: 0-40°C.



MODELS

Model	Mains voltage	Battery voltage	Charging current	Battery capacity in 10 hours	Battery capacity in 13 hours	Dimensions d x l x h (cm)
EKM 1	230 V	12 V	15 A	83 Ah	107 Ah	180 x 300 x 210
EKM 1	230 V	12 V	20 A	110 Ah	143 Ah	180 x 300 x 210
EKM 1	230 V	12 V	25 A	138 Ah	179 Ah	180 x 300 x 210
EKM 1	230 V	12 V	30 A	165 Ah	215 Ah	180 x 300 x 210
EKM 1	230 V	24 V	15 A	83 Ah	107 Ah	180 x 300 x 210
EKM 1	230 V	24 V	20 A	110 Ah	143 Ah	180 x 300 x 210
EKM 1	230 V	24 V	25 A	138 Ah	179 Ah	180 x 300 x 210
EKM 1	230 V	24 V	30 A	165 Ah	215 Ah	180 x 300 x 210
EKM 1	230 V	24 V	40 A	220 Ah	286 Ah	180 x 300 x 210
EKM 1	230 V	24 V	60 A	230 Ah	429 Ah	180 x 300 x 210
EKM 2	400 V	24 V	80 A	440 Ah	572 Ah	550 X 400 X 650
EKM 2	400 V	24 V	100 A	550 Ah	745 Ah	550 X 400 X 650
EKM 2	400 V	24 V	120 A	660 Ah	858 Ah	550 X 400 X 650
EKM 2	400 V	36 V	80 A	440 Ah	572 Ah	550 X 400 X 650
EKM 2	400 V	36 V	100 A	550 Ah	715 Ah	550 X 400 X 650
EKM 2	400 V	36 V	120 A	660 Ah	858 Ah	550 X 400 X 650
EKM 2	400 V	48 V	60 A	330 Ah	429 Ah	550 X 400 X 650
EKM 2	400 V	48 V	80 A	440 Ah	572 Ah	550 X 400 X 650
EKM 2	400 V	48 V	100 A	550 Ah	715 Ah	550 X 400 X 650
EKM 2	400 V	48 V	120 A	660 Ah	858 Ah	550 X 400 X 650
EKM 2	400 V	48 V	140 A	770 Ah	1001 Ah	550 X 400 X 650
EKM 2	400 V	72 V	80 A	440 Ah	572 Ah	550 X 400 X 650
EKM 2	400 V	72 V	100 A	550 Ah	715 Ah	550 X 400 X 650
EKM 2	400 V	72 V	120 A	660 Ah	858 Ah	550 X 400 X 650
EKM 2	400 V	80 V	80 A	440 Ah	572 Ah	550 X 400 X 650
EKM 2	400 V	80 V	100 A	550 Ah	715 Ah	550 X 400 X 650
EKM 2	400 V	80 V	120 A	660 Ah	858 Ah	550 X 400 X 650
EKM 3	400 V	80 V	140 A	770 Ah	1001 Ah	700 x 550 x 1150

N.B. In addition to the models indicated, custom chargers can be manufactured on request, with voltage and current values according to the battery to charge.

Technical specifications subject to changes without notice