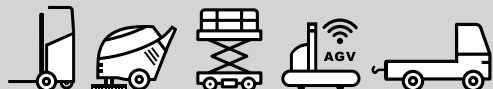


HKP

SINGLE PHASE 230 Vac



MAIN APPLICATIONS



SUITABLE BATTERIES

Wet lead acid - PzS

GEL – AGM – VRLA – PzV

Lithium (on demand)

MODELS AVAILABLE

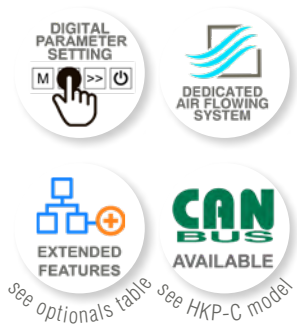
| V | A | VAC | CODE | Lead acid (Ah) | | Gel (Ah) | Iac |
|----|----|-------|------------------|----------------|-------------|----------|--------------|
| | | | | 7-8h | 10-11-14h | 12-14h | Current draw |
| 24 | 70 | 1x230 | HKP 24/70 | 385-444 | 533-592-714 | 475-592 | 8,40 |
| 24 | 85 | 1x230 | HKP 24/85 | 468-540 | 647-720-867 | 557-720 | 10,20 |
| 36 | 50 | 1x230 | HKP 36/50 | 275-317 | 381-423-510 | 339-423 | 8,90 |
| 36 | 60 | 1x230 | HKP 36/60 | 330-381 | 457-508-612 | 407-508 | 10,70 |
| 48 | 40 | 1X230 | HKP 48/40 | 220-254 | 305-338-408 | 271-338 | 9,40 |
| 48 | 50 | 1x230 | HKP 48/50 | 275-317 | 381-423-510 | 339-423 | 11,70 |
| 48 | 60 | 1x230 | HKP 48/60 | 330-381 | 457-508-612 | 407-508 | 14,10 |

Special versions 12V, 72V, 80V and 96V available on demand

Air mix Ah= +10%

PRODUCT INTRO

HKP is the HF single phase charger equipped with PFC (Power Factor Control) reaching highest power, aimed for bigger traction applications. An integrated interface with digital display and LED visual enables a complete overview and setting of charge parameters, including delay start and easy trouble-shooting. USB interface (on request) permits advanced setting and data-report. This range includes also AIR version (with air mix option) and HKP-C, which is the version for Lithium applications featuring CAN-bus protocol and OLED display.



GENERAL CHARACTERISTICS

| | |
|------------------------|--|
| Mains | 230V (1ph) +/-10% 50-60Hz |
| Visual signalling | 4 LEDs, digital display and 4 operational keys on the front side |
| Charger setting | By display: current, capacity, charging profiles (pre-set multiple selection) |
| Data memory (optional) | Charger gives a report of the last 25 cycles and key technical data (by PC) |
| Cool-down system | Temperature-regulated fan speed. Fan idle within 40°C internal components temperature. |
| Efficiency | > 90% |
| Operating temperature | 0° to +40°C |
| Certifications | CE in conformity with LV and EMC protocols |

SAFETY FEATURES

| | |
|---|--|
| Input protection | AC fast fuse |
| Output protection | By relay (reverse polarity protection) |
| Thermal Protection | Probes on IGBT and diodes + derating |
| Protection during battery disconnection | Safety cut off by undervoltage |

OPTIONALS

| | |
|---------------------------|--|
| On board | Inhibitor cable (Vac presence relay), remote LED |
| Stand alone/wall mounted | Cable holder, charger iron stand |
| On board/stand alone/wall | Additional extra coating, air mix pump, pilot contact, charger status lamp, thermal probe voltage adjustment, advanced display with USB port |

MECHANICAL CHARACTERISTICS

| | |
|-----------------------|--|
| Dimensions (LxWxH) | HKP: 406 x 224 x 88 mm HKP Air/special features: 416 x 549 x 130 mm |
| Protection degree | IP 21 (vertical) |
| Weight | 9 kg |
| Input cable | 2,3 m +/- 10% (length) complete with Schuko plug 16A |
| Output cables | 2, 3 m +/- 10% (length) – DC plug on demand |