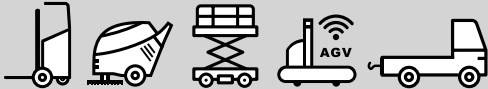


H K P

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	8,4
24	85	1x230	HKP 24/85	468-540	647-720-867	557-720	10,2
36	50	1x230	HKP 36/50	275-317	381-423-510	339-423	8,9
36	60	1x230	HKP 36/60	330-381	457-508-612	407-508	10,7
48	40	1X230	HKP 48/40	220-254	305-338-408	271-338	9,4
48	50	1x230	HKP 48/50	275-317	381-423-510	339-423	11,7
48	60	1x230	HKP 48/60	330-381	457-508-612	407-508	14,1

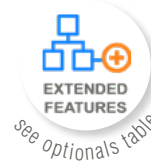
Special versions 12V, 72V, 80V and 96V available on demand

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