

HFK

SINGLE PHASE 230 Vac

Your supplier

GACELL
 The right battery

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 +45 961 02 961 · www.gacell-power.dk



MAIN APPLICATIONS



SUITABLE BATTERIES

Wet lead acid - PzS
GEL – AGM – VRLA – PzV
Lithium (on demand)

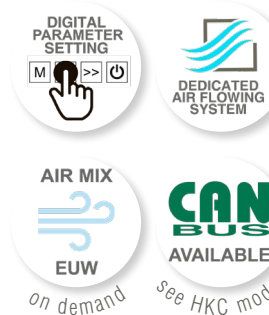
MODELS AVAILABLE

V	A	VAC	CODE	Lead acid (Ah)		Gel (Ah)	lac
				7-8h	10-11-14h	12-14h	Current draw
24	70	1x230	HFK 24/70	385-444	533-592-714	475-592	13,90
24	85	1x230	HFK 24/85	468-540	647-720-867	557-720	16,80
36	50	1x230	HFK 36/50	275-317	381-423-510	339-423	14,10
36	60	1x230	HFK 36/60	330-381	457-508-612	407-508	16,90
36	70	1x230	HFK 36/70	385-444	533-592-714	475-592	19,70
48	40	1x230	HFK 48/40	220-254	305-338-408	271-338	14,60
48	50	1x230	HFK 48/50	275-317	381-423-510	339-423	18,20
48	60	1x230	HFK 48/60	330-381	457-508-612	407-508	21,90

Special versions 12V, 72V, 80V, 96V and 120V available on demand
 Air mix Ah= +10%

PRODUCT INTRO

HFK is the HF single phase charger 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 troubleshooting. USB interface (on request) permits advanced setting and data-report. This range is then declined into HFK-AIR (air mix option) and HKC (CAN-bus), the protocol-equipped version for Lithium applications featuring an OLED display.



GENERAL CHARACTERISTICS

Mains	Vac 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	> 88%
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, USB for data storage download, air mix pump, pilot contact, charger status lamp

MECHANICAL CHARACTERISTICS

Dimension	HFK: 224 (w) 88 (h) 406 (l) mm HFK Air/special features: 549 (w) 130 (h) 416 (l) mm
Protection degree	IP 21 (vertical)
Weight	9 kg
Input cable	2,5 m +/- 10% (length) - AC plug on demand (Schuko type on demand for sizes up to 24/70, 36/50 and 48/40)
Output cables	2,5 m +/- 10% (length) - DC plug on demand