

# HFK

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)	lac
				7-8h	10-11-14h	12-14h	Current draw
24	70	1x230	<b>HFK 24/70</b>	385-444	533-592-714	475-592	13,90
24	85	1x230	<b>HFK 24/85</b>	468-540	647-720-867	557-720	16,80
36	50	1x230	<b>HFK 36/50</b>	275-317	381-423-510	339-423	14,10
36	60	1x230	<b>HFK 36/60</b>	330-381	457-508-612	407-508	16,90
36	70	1x230	<b>HFK 36/70</b>	385-444	533-592-714	475-592	19,70
48	40	1x230	<b>HFK 48/40</b>	220-254	305-338-408	2 71-338	14,60
48	50	1x230	<b>HFK 48/50</b>	275-317	381-423-510	339-423	18,20
48	60	1x230	<b>HFK 48/60</b>	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 trouble-shooting. USB interface (on request) permits advanced setting and data-report. This range is then declined into HFk-AIR (airmix option) and HKC (CANBUS), the protocol-equipped version for Lithium applications featuring an OLED display.



## GENERAL CHARACTERISTICS

<b>Mains</b>	Vac 230V (1ph) +/-10% 50-60Hz
<b>Visual signalling</b>	4 LEDs, digital Display and 4 operational keys on the front side
<b>Charger setting</b>	by Display: Current, capacity, charging profiles (preset multiple selection)
<b>Data memory (optional)</b>	Charger gives a Report of the last 25 cycles and key technical data (by PC)
<b>Cool-down system</b>	Temperature-regulated fan speed. Fan idle within 40°C internal components temperature.
<b>Efficiency</b>	>85%
<b>Operating temperature</b>	0° to +40°C
<b>Certifications</b>	CE in conformity with LV and EMC protocols

## SAFETY FEATURES

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

## OPTIONALS

<b>On board</b>	Inhibitor cable (Vac presence relay), Remote LED
<b>Stand alone/wall mounted</b>	Cable holder Charger iron stand
<b>On board/stand alone/wall</b>	Additional extra coating, USB for data storage download, Air mix pump, Pilot contact, Charger status lamp

## MECHANICAL CHARACTERISTICS

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