

HFK Singlephase 230Vac - Up to 3270W - 12, 24, 36, 48V

CODING (example)

MODEL	V	A	CURVE code
▼	▼	▼	▼
HFK	48	50	016

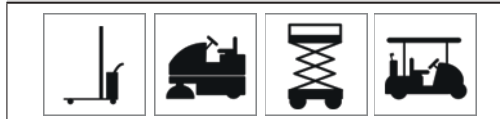
SUITABLE BATTERIES

Lead acid - PzS
 GEL - AGM - VRLA - PzV
 Lithium - (on demand)

EXPECTED RECHARGE TIME

7-13,5h

MAIN APPLICATIONS



HFK



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 HFK-CANBUS, the protocol-equipped version for Lithium applications featuring an LCD display.

MODELS AVAILABLE

V	A	VAC	CODE	Ah in 7-8,5h*	Ah in 11-13,5h*	cabinet code
12	70	1x230	HFK 12/70	291-431	589-705	4
24	85	1x230	HFK 24/85	353-524	715-856	4
36	70	1x230	HFK 36/70	291-431	589-705	4
48	50	1x230	HFK 48/50	208-308	420-504	4
48	60	1x230	HFK 48/60	249-370	504-604	4

*Ah referred to lead acid batteries

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

GENERAL CHARACTERISTICS

General information	High Frequency charger - Switching technology
Visual Signalling	4 LEDs, a 4 digit Display and 4 keys on the front side
Charger setting	(by Display on the charger) Current, Battery Ah and 31 preset charging profiles
Switch (on-off)	Off / Pause button on front panel
External Signalling (optional)	2 Contacts programmable (optional)
Storage Data (optional)	Charger gives a Report of the last 25 charges and other information (by PC)
Operating Temperature	-0° to +40° (full power)
Storage Temperature	-5 to +40°
Max Humidity	90% without condensation (RH)

ELECTRICAL CHARACTERISTICS AND SAFETIES

Mains	Vac 230V (1ph) +/-10% 50-60Hz
Efficiency	>88%
Input Protection	Fuse
Output Protection	by Relay (reverse polarity protection)
Thermal Protections	3 probes: one on IGBT and 2 on the diodes. Max temperature can be set.
Insulation	2 kV
Output short circuit	Protected (by undervoltage) chargers shut down in few seconds
Opening Output Cables	Protected (by undervoltage) chargers shut down in few seconds

OPTIONALS

On board	Inhibitor cable - Vac presence relay
On board	Remote Led
Stand alone	Cable holder
Stand alone	Charger stand
On board / stand alone / wall	Thermal coating
On board / stand alone / wall	USB for data storage download

MECHANICAL CHARACTERISTICS

Dimension	370 (L-body) 224 (W) 88(h); 406 (L- plate) mm.
Wall mounting	395 x 100 mm
Protection Degree	IP 21 (vertical)
Installation requirements	Forced ventilation charger. Do not cover air openings (distance 300mm typ.)
Weight	6,35 Kg. (without cables) 6,96 kg. (with std cables)
Input cable length	2599 mm. (length)
Input Plug	(optional)
Output cable	2499 mm. (length)
Output Plug	(optional)

MAIN CHARGING PROFILES AVAILABLE

WUa/IUa
WUoU/IUoU
WUIa/IUIa
WUIU/IUIU
on demand

