

HFT Threephase 400Vac - Up to 8700W - 24, 36, 48, 72, 80V

CODING (example)

MODEL	V	A	CURVE code
▼	▼	▼	▼
HFT	48	120	016

SUITABLE BATTERIES

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

EXPECTED RECHARGE TIME

7-13,5h

MAIN APPLICATIONS



HFT



PRODUCT INTRO

HFT is the three phase HF charger aimed for bigger traction batteries still featuring wall mounting. 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 HFT-AIR (airmix option) and HFT-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
24	80	3X400	HFT 24/ 80	332-493	673-806	5
24	100	3X400	HFT 24/ 100	415-616	841-1007	5
24	120	3X400	HFT 24/ 120	498-739	1009-1209	5
48	80	3X400	HFT 48/ 80	332-493	673-806	5
48	100	3X400	HFT 48/ 100	415-616	841-1007	5
48	120	3X400	HFT 48/ 120	498-739	1009-1209	5
80	65	3X400	HFT 80/ 65	278-413	563-675	5
80	80	3X400	HFT 80/ 80	332-493	673-806	5
80	100	3X400	HFT 80/ 100	415-616	841-1007	5

*Ah referred to lead acid batteries. 36V, 72V, and 96V 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)	Present
External Signalling (optional)	2 Contacts programmable (optional)
Storage Data (optional)	Charger gives a Report of the last 25 charges and other information (by PC) - (optional)
Operating Temperature	-0°to +40° full power
Storage Temperature	-5 to +40°
Max Humidity	90% without condensation RH

ELECTRICAL CHARACTERISTICS AND SAFETIES

Mains	400V (3ph) +/-10% 50-60Hz
Efficiency	>90%
Input Protection	3 Fast Fuses
Output Protection	By FUSE (reverse polarity protection) ultrafast 160A LET
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

Stand alone / wall mounted	Cable holder
Stand alone	Charger stand
On board / stand alone / wall	Thermal coating
On board / stand alone / wall	USB for data storage download
On board / stand alone / wall	LCD display

MECHANICAL CHARACTERISTICS

Dimension	519 (L-body) 398 (W) 114 (h) mm.
Wall mounting	500 x 130 mm
Protection Degree	IP 21 (vertical)
Installation requirements	Forced ventilation charger. Do not cover Air Openings (distance 300mm typ.)
Weight	12,83 Kg. (without cables) 15,3 Kg (with std cables)
Input cable length	2.500 mm. (length)
Input Plug	(optional)
Output cable	2.500 mm. (length)
Output Plug	(optional)

MAIN CHARGING PROFILES AVAILABLE

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

