

HFTD Threphase 400Vac - Up to 13910W - 48V, 80V

CODING (example)

MODEL	V	A	CURVE code
▼	▼	▼	▼
HFTD	80	140	016

SUITABLE BATTERIES

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

EXPECTED RECHARGE TIME

7-13,5h

MAIN APPLICATIONS



PRODUCT INTRO

HFTD is the three phase HF charger reaching highest power through HFT boards parallel-assembling. 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 HFTD-AIR (airmix option) and HFTD-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
48	140	3x400	HFTD 48/ 140	582-863	1177-1410	6
48	160	3x400	HFTD 48/ 160	665-986	1345-1612	6
48	180	3x400	HFTD 48/ 180	748-1109	1513-1813	6
48	200	3x400	HFTD 48/ 200	831-1232	1682-2015	6
80	120	3x400	HFTD 80/ 120	498-739	1009-1209	6
80	140	3x400	HFTD 80/ 140	582-863	1177-1410	6
80	160	3x400	HFTD 80/ 160	665-986	1345-1612	6

*Ah referred to lead acid batteries 24V, 36V, 72V 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)	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 (each main power board)
Output Protection	By ultrafast FUSE (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

Stand alone / wall mounted	Cable holder
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	535 (L) 407 (W) 259 (h) mm.
Wall mounting	530x240 mm.
Protection Degree	IP 21 (vertical)
Installation requirements	Forced ventilation charger. Do not cover air openings (distance 300 mm typ.)
Weight	22,83 Kg. (without cables) 25,30 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

