

HFT1 & HVE

THREE PHASE 400 Vac

MAIN APPLICATIONS



SUITABLE BATTERIES

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

MODELS AVAILABLE

							Lead acid (Ah)		Gel (Ah)
V	A	VAC	CODE	Iac	CODE	Iac	7,5-8,5h	10-12-14h	12-14h
24	120	3x400	HFT1 24/120	6,1	HVE 24/120	4,9	659-788	914-1119-1332	814-1015
24	140	3x400	--	--	HVE 24/140	5,7	769-920	1066-1305-1554	950-1185
48	80	3x400	HFT1 48/ 80	8,0	HVE 48/ 80	6,4	440-526	609-746-888	543-677
48	100	3x400	HFT1 48/100	10,0	HVE 48/100	8,0	549-657	762-932-1110	679-846
48	120	3x400	HFT1 48/120	12,0	HVE 48/120	9,6	659-788	914-1119-1332	814-1015
48	140	3x400	--	--	HVE 48/140	11,2	769-920	1066-1305-1554	950-1185
80	80	3x400	HFT1 80/ 80	13,1	HVE 80/ 80	10,6	440-526	609-746-888	543-677
80	100	3x400	HFT1 80/100	15,5	HVE 80/100	12,6	549-657	762-932-1110	679-846
80	110	3x400	--	--	HVE 80/110	14,5	604-725	838-1026-1221	747-931
96	80	3x400	HFT1 96/ 80	15,7	HVE 96/ 80	12,7	440-526	609-746-888	543-677
96	90	3x400	--	--	HVE 96/ 90	14,3	495-591	685-839-999	611-762
120	60	3x400	HFT1 120/60	15,4	HVE 120/60	11,9	330-394	457-559-666	407-508
120	70	3x400	--	--	HVE 120/70	13,9	385-460	533-653-777	475-592

Special versions 36V and 72V available on demand

In between output current sizes available

Air mix Ah= +10%

PRODUCT INTRO

HFT1 and HVE digital are the three phase HF chargers equipped with integrated OLED/LCD display and USB interface.

The digital HVE provides bigger power solutions, the most accurate control of the profile and a higher efficiency with relevant lower input current draw.

Both HFT1 and HVE are available with air-mix option and with CAN-bus protocol for Lithium applications.



GENERAL CHARACTERISTICS

Mains	400Vac (3ph) +/-10% 50-60Hz
Visual signalling	OLED/ LCD display, 4 LEDs and 4 control keys
Charger setting	By OLED/ LCD display: current, voltage, capacity and 7 pre-set charging profiles By laptop/USB port: enhanced programming
Data memory	Charger gives a report of the last 50 cycles and key technical data by integrated USB port
Cool-down system	Temperature-regulated fan speed. Fan idle within 40°C internal components temperature
Efficiency	≥ 90% (HFT1) / ≥ 92% (HVE)
Operating temperature	0° to +40°C full power
Certifications	CE in conformity with LV and EMC protocols

SAFETY FEATURES

Input protection	3 AC fast fuses
Output protection	Ultrafast fuse (reverse polarity protection)
Thermal Protection	Probes on IGBT and diodes + derating
Protection during battery disconnection	Safety cut off by undervoltage

OPTIONALS

Cable holder, charger iron stand
Inhibitor cable (Vac presence relay), remote LED, pilot contact, charger status lamp, thermal probe voltage adjustment, air mix pump

MECHANICAL CHARACTERISTICS

Dimensions (LxWxH)	397 x 115 x 521 mm
Protection degree	IP 21 (vertical)
Weight	18 kg
Input cable	2,5 m +/- 10% (length) – AC plug on demand
Output cables	2,5 m +/- 10% (length) – DC plug on demand