HFT3 & HV3

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**
48	260	3x400	**HFT3 48/260**	26,0	**HV3 48/260**	20,9	1429-1708	1980-2424-2887	1765-2200
48	300	3x400	**HFT3 48/300**	30,0	**HV3 48/300**	24,1	1648-1970	2285-2797-3331	2036-2538
48	400	3x400	**--**	--	**HV3 48/400**	32,0	2198-2628	3046-3730-4440	2714-3384
80	200	3x400	**HFT3 80/200**	32,6	**HV3 80/200**	26,4	1099-1314	1523-1865-2220	1357-1692
80	240	3x400	**HFT3 80/240**	39,2	**HV3 80/240**	31,7	1319-1577	1828-2238-2665	1629-2031
80	260	3x400	**HFT3 80/260**	42,4	**HV3 80/260**	34,4	1429-1708	1980-2424-2887	1765-2200
80	310	3x400	**--**	--	**HV3 80/310**	41,0	1703-2036	2361-2890-3441	2104-2623
96	160	3x400	**HFT3 96/160**	31,3	**HV3 96/160**	25,4	879-1051	1219-1492-1776	1086-1354
96	200	3x400	**HFT3 96/200**	39,2	**HV3 96/200**	31,8	1099-1314	1523-1865-2220	1357-1692
96	260	3x400	**--**	--	**HV3 96/260**	41,3	1429-1708	1980-2424-2887	1765-2200
120	120	3x400	**HFT3 120/120**	29,4	**HV3 120/120**	23,8	659-788	914-1119-1332	814-1015
120	160	3x400	**HFT3 120/160**	39,2	**HV3 120/160**	31,8	879-1051	1219-1492-1776	1086-1354
120	200	3x400	**--**	--	**HV3 120/200**	39,7	1099-1314	1523-1865-2220	1357-1692

Special versions 24V, 36V, 72V available on demand In between output current sizes available Air mix Ah= +10%

PRODUCT INTRO

HFT3 and **HV3 digital** are the three phase HF chargers equipped with OLED/LCD display and USB interface.
They are both equipped with 3 main power boards in parallel. HV3 provides bigger power solutions, the most accurate control of the profile and a higher efficiency with relevant lower input current draw.
Both HFT3 and HV3 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% (HFT3) / ≥ 92% (HV3)
Operating temperature	0° to +40°C
Certifications	CE in conformity with LV and EMC protocols

SAFETY FEATURES

Input protection	3 AC fast fuses (each main power board)
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

Air mix pump, pilot contact, charger status lamp, thermal probe voltage adjustment

MECHANICAL CHARACTERISTICS

Dimensions (LxWxH)	602 x 428 x 802 mm
Protection degree	IP 21 (stand alone) - filter protection system ready (for higher IP: contact our technical department for more details)
Weight	69 kg
Input cable	2,5 m +/- 10% (length) – AC plug on demand
Output cables	2,5 m +/- 10% (length) – DC plug on demand