HFT2 & HV2

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	160	3x400	**HFT2 48/160**	16,0	**HV2 48/160**	12,8	879-1051	1219-1492-1776	1086-1354
48	180	3x400	**HFT2 48/180**	18,0	**HV2 48/180**	14,4	989-1183	1371-1678-1998	1222-1523
48	200	3x400	**HFT2 48/200**	20,0	**HV2 48/200**	16,0	1099-1314	1523-1865-2220	1357-1692
48	250	3x400	**--**	--	**HV2 48/250**	20,0	1374-1642	1904-2331-2776	1697-2115
80	140	3x400	**HFT2 80/140**	22,8	**HV2 80/140**	18,5	769-920	1066-1305-1554	950-1185
80	160	3x400	**HFT2 80/160**	26,1	**HV2 80/160**	21,2	879-1051	1219-1492-1776	1086-1354
80	200	3x400	**--**	--	**HV2 80/200**	26,4	1099-1314	1523-1865-2220	1357-1692
96	100	3x400	**HFT2 96/100**	19,6	**HV2 96/100**	15,9	549-657	762-932-1110	679-846
96	140	3x400	**HFT2 96/140**	27,4	**HV2 96/140**	22,2	769-920	1066-1305-1554	950-1185
96	160	3x400	**--**	--	**HV2 96/160**	25,4	879-1051	1219-1492-1776	1086-1354
120	80	3x400	**HFT2 120/80**	19,6	**HV2 120/80**	15,9	440-526	609-746-888	543-677
120	100	3x400	**HFT2 120/100**	24,5	**HV2 120/100**	19,9	549-657	762-932-1110	679-846
120	130	3x400	**--**	--	**HV2 120/130**	25,8	714-854	990-1212-1443	882-1100

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

PRODUCT INTRO

HFT2 and **HV2 digital** are the three phase HF charger equipped with OLED/LCD and USB interface.
They are both equipped with 2 main power boards in parallel. HV2 provides bigger power solutions, the most accurate control of the profile and a higher efficiency with relevant lower input current draw.
Both HFT2 and HV2 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% (HFT2) / ≥ 92% (HV2)
Operating temperature	0° to +40°C
Certifications	CE in conformity with LV and EMC protocols

SAFETY FEATURES

Input protection	3 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

Cable holder, charger iron stand
Air mix pump, pilot contact, charger status lamp, thermal probe voltage adjustment

MECHANICAL CHARACTERISTICS

Dimensions (LxWxH)	402 x 259 x 535 mm
Protection degree	IP 21 (vertical)
Weight	26 kg
Input cable	2,5 m +/- 10% (length) – AC plug on demand
Output cables	2,5 m +/- 10% (length) – DC plug on demand