

HFT1

THREEPHASE 400 Vac



Your supplier

GACELL
 The right battery

GACELL A/S · Sletten 17 · 7500 Holstebro · DK
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MAIN APPLICATIONS



SUITABLE BATTERIES

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

MODELS AVAILABLE

V	A	VAC	CODE	Lead acid (Ah)		Gel (Ah)	Iac
				7-8h	10-11-14h	12-14 h	Current draw
24	80	3x400	HFT1 24/80	440-508	609-677-816	543-677	4,10
24	100	3x400	HFT1 24/100	549-635	762-846-1020	679-846	5,10
24	120	3x400	HFT1 24/120	659-762	914-1015-1224	814-1015	6,10
48	80	3x400	HFT1 48/80	440-508	609-677-816	543-677	8,00
48	100	3x400	HFT1 48/100	549-635	762-846-1020	679-846	10,00
48	120	3x400	HFT1 48/120	659-762	914-1015-1224	814-1015	12,00
80	60	3x400	HFT1 80/60	330-381	457-508-612	407-508	9,80
80	80	3x400	HFT1 80/80	440-508	609-677-816	543-677	13,10
80	100	3x400	HFT1 80/100	549-635	762-846-1020	679-846	15,50

Special versions 36V, 72V, 96V and 120V available on demand
 In between output current sizes available Air mix Ah= +10%

PRODUCT INTRO

HFT1 is the three phase HF charger equipped with integrated OLED display and USB interface. It is the enhanced version of our standard HFT. Output/input cables have one-side outlets complete with cable glands. Charger is declined into HFT1 AIR and HTC CAN-bus version.



GENERAL CHARACTERISTICS

Mains	400V (3ph) +/-10% 50-60Hz
Visual signalling	OLED display, 4 LEDs and 4 operational keys
Charger setting	By OLED display: current, 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 door
Cool-down system	Temperature-regulated fan speed. Fan idle within 40°C internal components temperature.
Efficiency	> 90%
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

Stand alone	Charger iron stand
Stand alone/wall mounted	Cable holder
On board/stand alone/wall	Additional extra coating, air mix pump, pilot contact, charger status lamp, dV/dt profiles

MECHANICAL CHARACTERISTICS

Dimension	549 (w) 130 (h) 416 (l) 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