

HTU Threephase 400Vac - Up to 10200W - 24, 36, 48, 72, 80V

CODING (example)

MODEL	V	A	CURVE code
▼	▼	▼	▼
HTU	48	140	016



SUITABLE BATTERIES

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

EXPECTED RECHARGE TIME

7-13,5h

MAIN APPLICATIONS



PRODUCT INTRO

HTU is the top level HF charger aimed to reach the highest performance available. This upper-range model gathers all top features of HF ranges in terms of efficiency, power factor, ventilation, internal structure and general flexibility. An integrated digital interface with LCD display and integrated USB enables the best and easiest overview/setting of charge parameters, diagnostic and data-report. This range is then declined into HTU-MULTI (multivoltage) HTU-PLUS higher power and HTU-CANBUS the protocol-equipped version for Lithium applications.

MODELS AVAILABLE

V	A	VAC	CODE	Ah in 7-8,5h*	Ah in 11-13,5h*	cabinet code
24	80	3X400	HTU 24/ 80	332-493	673-806	7
	100	3X400	HTU 24/ 100	415-616	841-1007	7
	120	3X400	HTU 24/ 120	498-739	1009-1209	7
36	80	3X400	HTU 36/ 80	332-493	673-806	7
	100	3X400	HTU 36/ 100	415-616	841-1007	7
	120	3X400	HTU 36/ 120	498-739	1009-1209	7
	140	3X400	HTU 36/ 140	582-863	1177-1410	7
48	100	3X400	HTU 48/ 100	415-616	841-1007	7
	120	3X400	HTU 48/ 120	498-739	1009-1209	7
	140	3X400	HTU 48/140	582-863	1177-1410	7
80	80	3X400	HTU 80/ 80	332-493	673-806	7
	100	3X400	HTU 80/ 100	415-616	841-1007	7
	120	3X400	HTU 80/ 120	498-739	1009-1209	7

*Ah referred to lead acid batteries

GENERAL CHARACTERISTICS

General information	High Frequency charger - switching technology - suitable for a wide range of battery. PzS, PzV, AGM and Gel
Visual Signalling	LCD display (HTUA). 4 LEDs and 2 keys on the front side (HTU1).
Charger setting	by LCD Display (HTUA): Current, Battery Ah and preset charging profiles by 4Leds/buttons (HTU1): 50-70-80-100%Current, Battery Ah and 7 preset charging profiles by laptop/USB port common for both versions (HTU1 and HTUA): full programming
External Signalling (optional)	2 Contacts programmable (optional)
Storage Data (optional)	Charger gives a Report of the last 50 charges and other information by integrated USB door
Operating Temperature	0° to +40°C full power
Storage Temperature	-5 to +40°C
Max Humidity	90% without condensation RH

ELECTRICAL CHARACTERISTICS AND SAFETIES

Mains	400V (3ph) +/-10% 50-60Hz Vmax 440V, Vmin 360 V
Efficiency and Power factor	93-94%=efficiency ; 95%=PF
Input Protection	3 Fuses
Output Protection	By FUSE (reverse polarity protection)
Thermal Protections	3 probes: one on IGBT, diodes and power transformer.
Insulation	2 kV
Output short circuit	Protected (by undervoltage) charger shut down in few seconds
Opening Output Cables	Protected (by undervoltage) charger shut down in few seconds

OPTIONALS

stand alone - wall mounted	Cable holder
stand alone	Charger stand
On board / stand alone / wall	Dedicated thermal coating

MECHANICAL CHARACTERISTICS

Dimension	570 (L-body) 456 (W) 195 (h)mm
Wall mounting	495 x 390 mm
Protection Degree	IP 21 (vertical)
Installation requirements	Ventilated Charger do not cover Air Openings (distance 300 mm typ.)
Weight	26 Kg (without cables) referred to HFT 48/120
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
WUa/IUa
WUIU/IUIU
on demand

