# HTUC

## 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** | **7,5-8,5h** | **10-12-14h** | **12-14h** | **Iac** |
| 24 | 140 | 3x400 | **HTUC 24/140** | 769-920 | 1066-1305-1554 | 950-1185 | 5,7 |
| 24 | 160 | 3x400 | **HTUC 24/160** | 879-1051 | 1219-1492-1776 | 1086-1354 | 6,5 |
| 24 | 180 | 3x400 | **HTUC 24/180** | 989-1183 | 1371-1678-1998 | 1222-1523 | 7,3 |
| 24 | 200 | 3x400 | **HTUC 24/200** | 1099-1314 | 1523-1865-2220 | 1357-1692 | 8,1 |
| 48 | 140 | 3x400 | **HTUC 48/140** | 769-920 | 1066-1305-1554 | 950-1185 | 11,2 |
| 48 | 160 | 3x400 | **HTUC 48/160** | 879-1051 | 1219-1492-1776 | 1086-1354 | 12,8 |
| 48 | 180 | 3x400 | **HTUC 48/180** | 989-1183 | 1371-1678-1998 | 1222-1523 | 14,4 |
| 48 | 200 | 3x400 | **HTUC 48/200** | 1099-1314 | 1523-1865-2220 | 1357-1692 | 16,0 |
| 80 | 120 | 3x400 | **HTUC 80/120** | 659-788 | 914-1119-1332 | 814-1015 | 15,9 |
| 96 | 100 | 3x400 | **HTUC 96/100** | 549-657 | 762-932-1110 | 679-846 | 15,9 |
| 120 | 80 | 3x400 | **HTUC 120/80** | 440-526 | 609-746-888 | 543-677 | 15,9 |

Special versions 36V and 72V available on demand
In between output current sizes available

Air mix Ah= +10%

Parallel version available

## PRODUCT INTRO

HTUC is the top level HF charger aimed to reach the highest performances. This range gathers all top features of HF ranges in terms of efficiency, power factor, ventilation, internal structure and general flexibility. An integrated digital interface with OLED/LCD display and integrated USB enables the best and easiest overview/setting of charge parameters, diagnostic and data reports. Lithium version is available with private or custom protocol (HTUD model).

## GENERAL CHARACTERISTICS

| | |
|---|---|
| **Mains** | 400Vac (3ph) +/-10% 50-60Hz (230Vac 3phase available on demand) |
| **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<br>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** | Dedicated air cooling direct to heatsink only. Temperature-regulated fan speed.<br>Fan idle within 40°C internal components temperature |
| **Efficiency** | ≥ 92% |
| **Operating temperature** | 0° to +40°C |
| **Certifications** | CE in conformity with LV and EMC protocols |

## SAFETY FEATURES

| | |
|---|---|
| **Input protection** | 3 fast fuses |
| **Output protection** | By fuse (reverse polarity protection) |
| **Thermal Protection** | Probes on IGBT, diodes and power transformer + 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) | **HTUC:** 456 x 195 x 570 mm<br>**HTUC 230Vac input:** 470 x 422 x 1257 mm<br>**HTUC Air:** 470 x 422 x 1257 mm |
| **Protection degree** | IP 21 (vertical) - Additional filter protection on demand |
| **Weight** | 28 kg |
| **Input cable** | 2,5 m +/- 10% (length) – AC plug on demand |
| **Output cables** | 2,5 m +/- 10% (length) – DC plug on demand |