



ST. GEORGE  
EQUIPMENT

# HTUB-D

THREE PHASE 480/600 Vac

## SUITABLE BATTERIES

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

## MAIN APPLICATIONS



## MODELS AVAILABLE

V	A	VAC	CODE	VAC	CODE	Lead acid (Ah)		Gel (Ah)	Iac	
						7-8h	10-11-14h	12-14h	current draw	
									480Vac	600Vac
24	320	3x480	HTUB 24/320-LD	3x600	HTUB 24/320-VD	1758-2032	2438-2706-3266	2172-2708	10.8	8.6
24	400	3x480	HTUB 24/400-LD	3x600	HTUB 24/400-VD	2198-2540	3046-3384-4082	2714-3384	13.4	10.8
36	320	3x480	HTUB 36/320-LD	3x600	HTUB 36/320-VD	1758-2032	2438-2706-3266	2172-2708	16.0	12.8
36	400	3x480	HTUB 36/400-LD	3x600	HTUB 36/400-VD	2198-2540	3046-3384-4082	2714-3384	20.0	16.0
48	320	3x480	HTUB 48/320-LD	3x600	HTUB 48/320-VD	1758-2032	2438-2706-3266	2172-2708	21.4	17.0
48	400	3x480	HTUB 48/400-LD	3x600	HTUB 48/400-VD	2198-2540	3046-3384-4082	2714-3384	26.6	21.4
80	200	3x480	HTUB 80/200-LD	3x600	HTUB 80/200-VD	1099-1270	1523-1692-2041	1357-1692	22.0	17.6
80	240	3x480	HTUB 80/240-LD	3x600	HTUB 80/240-VD	1318-1524	1828-2030-2448	1628-2030	26.4	21.2
96	190	3x480	HTUB 96/190-LD	3x600	HTUB 96/190-VD	1044-1206	1941-1607-1939	1289-1607	25.1	20.1
120	150	3x480	HTUB 120/150-LD	3x600	HTUB 120/150-VD	824-952	1142-1269-1531	2036-1269	25.1	20.1

# HTUB-D



## PRODUCT INTRO

HTUB-D are the HF chargers aimed to reach the highest performances, they double the power of the HTUB models. This range gathers all top features in terms of efficiency, power factor, internal structure and general flexibility. An integrated digital interface with OLED/LCD display and integrated USB enables the best and easiest overview of the charging operation. This version has Opportunity and Fast Charge options. Lithium version is available with private or custom protocol.



## GENERAL CHARACTERISTICS

<b>Mains</b>	480 Vac (3ph) 50-60Hz / 600 Vac (3ph) 50-60Hz
<b>Visual signalling</b>	LED/LCD display, 4 LEDs and 4 control keys
<b>Charger setting</b>	By OLED display: current, capacity and 7 pre-set charging profiles. By laptop/USB port: enhanced programming
<b>Data memory</b>	Charger gives a report of the last 50 cycles and key technical data by integrated USB port
<b>Cool-down system</b>	Dedicated air cooling direct to heatsink only. Temperature-regulated fan speed. Fan idle within +104° F (+40° C) internal components temperature
<b>Efficiency</b>	≥ 92%
<b>Operating temperatures</b>	+32° to +104° F (0° to +40° C)
<b>Certifications</b>	CSA

## SAFETY FEATURES

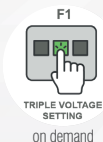
<b>Input protection</b>	3 fast fuses
<b>Output protection</b>	By fuse (reverse polarity protection)
<b>Thermal protection</b>	Probes on IGBT, diodes and power transformer + derating
<b>Disconnection protection</b>	Safety cut off by undervoltage

## OPTIONALS

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

## MECHANICAL CHARACTERISTICS

<b>Dimensions (LxWxH)</b>	18.5 x 16.61 x 49.48 inches (470 x 422 x 1257 mm)
<b>Protection degree</b>	IP 21 (vertical) - (dedicated cooling direct to heatsink) Additional filter protection on demand
<b>Weight</b>	149.91 lb (68 kg)
<b>Input Cable</b>	At customer care
<b>Output Cables</b>	2.7 yd (2.5 m) +/-10% (length) - DC plug on demand





ST. GEORGE  
EQUIPMENT

# HTUB-LH

THREE PHASE 208/220/240 Vac

## SUITABLE BATTERIES

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

## MAIN APPLICATIONS



## MODELS AVAILABLE

V	A	VAC	CODE	Lead acid (Ah)		Gel (Ah)	Iac current draw
				7-8h	10-11-14h	12-14h	
24	140	3x208/220/240	<b>HTUB24/140-LH</b>	769-889	1066-1185-1429	950-1185	11.2
24	160	3x208/220/240	<b>HTUB24/160-LH</b>	879-1016	1219-1354-1633	1086-1354	12.8
24	200	3x208/220/240	<b>HTUB24/200-LH</b>	1099-1270	1523-1692-2041	1357-1692	15.9
36	140	3x208/220/240	<b>HTUB36/140-LH</b>	769-889	1066-1185-1429	950-1185	16.6
36	160	3x208/220/240	<b>HTUB36/160-LH</b>	879-1016	1219-1354-1633	1086-1354	19.0
36	200	3x208/220/240	<b>HTUB36/200-LH</b>	1099-1270	1523-1692-2041	1357-1692	23.8
48	140	3x208/220/240	<b>HTUB48/140-LH</b>	769-889	1066-1185-1429	950-1185	22.1
48	160	3x208/220/240	<b>HTUB48/160-LH</b>	879-1016	1219-1354-1633	1086-1354	25.4
48	200	3x208/220/240	<b>HTUB48/200-LH</b>	1099-1270	1523-1692-2041	1357-1692	31.6
80	120	3x208/220/240	<b>HTUB80/120-LH</b>	659-762	914-1015-1224	814-1015	31.4

Special version 72V available on demand. In between output current sizes available.

# HTUB-LH



## PRODUCT INTRO

HTUB-LH is the top level HF charger aimed to reach the highest performances. It is designed for 208/220/240 input Vac commonly used in the US and Latin American territories. This range gathers all top features of HF ranges in terms of efficiency, power factor, 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. This version has Opportunity profile available on demand. Lithium version is available with private or custom protocol.



## GENERAL CHARACTERISTICS

<b>Mains</b>	208/220/240V (3ph) 60Hz
<b>Visual signalling</b>	LED/LCD display, 4 LEDs and 4 control keys
<b>Charger setting</b>	By OLED display: current, capacity and 7 pre-set charging profiles. By laptop/USB port: enhanced programming
<b>Data memory</b>	Charger gives a report of the last 50 cycles and key technical data by integrated USB port
<b>Cool-down system</b>	Dedicated air cooling direct to heatsink only. Temperature-regulated fan speed. Fan idle within +104° F (+40° C) internal components temperature
<b>Efficiency</b>	≥ 90%
<b>Operating temperatures</b>	+32° to +104° F (0° to +40° C)
<b>Certifications</b>	CSA

## SAFETY FEATURES

<b>Input protection</b>	3 fast fuses
<b>Output protection</b>	By fuse (reverse polarity protection)
<b>Thermal protection</b>	Probes on IGBT, diodes and power transformer + derating
<b>Disconnection protection</b>	Safety cut off by undervoltage

## OPTIONALS

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

## MECHANICAL CHARACTERISTICS

<b>Dimensions (LxWxH)</b>	18.5 x 16.61 x 49.48 inches (470 x 422 x 1257 mm)
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