HWR

THREE PHASE 208/220/240 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	3x208/220/240	**HWR 24/140-H**	769-889	1066-1185-1429	950-1185	11,2
24	160	3x208/220/240	**HWR 24/160-H**	879-1016	1219-1354-1633	1086-1354	12,8
24	200	3x208/220/240	**HWR 24/200-H**	1099-1270	1523-1692-2041	1357-1692	15,9
36	140	3x208/220/240	**HWR 36/140-H**	769-889	1066-1185-1429	950-1185	16,6
36	160	3x208/220/240	**HWR 36/160-H**	879-1016	1219-1354-1633	1086-1354	19,0
36	200	3x208/220/240	**HWR 36/200-H**	1099-1270	1523-1692-2041	1357-1692	23,8
48	140	3x208/220/240	**HWR 48/140-H**	769-889	1066-1185-1429	950-1185	22,1
48	160	3x208/220/240	**HWR 48/160-H**	879-1016	1219-1354-1633	1086-1354	25,4
48	200	3x208/220/240	**HWR 48/200-H**	1099-1270	1523-1692-2041	1357-1692	31,6
80	120	3x208/220/240	**HWR 80/120-H**	659-762	914-1015-1224	814-1015	31,4

Special version 72V available on demand

In between output current sizes available

PRODUCT INTRO

HWR 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, 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.

GENERAL CHARACTERISTICS

Mains	208-220-240Vac (3ph) 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	Dedicated air cooling direct to heatsink only. Temperature-regulated fan speed. Fan idle within 40°C internal components temperature
Efficiency	≥ 90%
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
Air mix pump, pilot contact, charger status lamp, thermal probe voltage adjustment

MECHANICAL CHARACTERISTICS

Dimensions (LxWxH)	470 x 422 x 1257 mm
Protection degree	IP 21 (vertical) – Additional filter protection on demand
Weight	68 kg
Input cable	2,5 m +/- 10% (length) – AC plug on demand
Output cables	2,5 m +/- 10% (length) – DC plug on demand