



ST. GEORGE  
EQUIPMENT

# HWR

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)
				7-8h	10-11-14h	12-14h
24	140	3x208/220/240	<b>HWR 24/140-220</b>	769-889	1066-1185-1429	950-1185
24	160	3x208/220/240	<b>HWR 24/160-220</b>	879-1016	1219-1354-1633	1086-1354
24	200	3x208/220/240	<b>HWR 24/200-220</b>	1099-1270	1523-1692-2041	1357-1692
36	140	3x208/220/240	<b>HWR 36/140-220</b>	769-889	1066-1185-1429	950-1185
36	160	3x208/220/240	<b>HWR 36/160-220</b>	879-1016	1219-1354-1633	1086-1354
36	200	3x208/220/240	<b>HWR 36/200-220</b>	1099-1270	1523-1692-2041	1357-1692
48	140	3x208/220/240	<b>HWR 48/140-220</b>	769-889	1066-1185-1429	950-1185
48	160	3x208/220/240	<b>HWR 48/160-220</b>	879-1016	1219-1354-1633	1086-1354
48	200	3x208/220/240	<b>HWR 48/200-220</b>	1099-1270	1523-1692-2041	1357-1692
80	120	3x208/220/240	<b>HWR 80/120-220</b>	659-762	914-1015-1224	814-1015

## 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

<b>Mains</b>	3ph 208/220/240V 60Hz (any other configuration on demand)
<b>Visual signalling</b>	OLED/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>	CE in conformity with LV and EMC protocols

## 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

<b>Stand alone</b>	Additional extra coating, air mix pump, pilot contact, charger status lamp, thermal probe voltage adjustment, dV/dt profiles
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## MECHANICAL CHARACTERISTICS

<b>Dimensions (LxWxH)</b>	17.64 x 8.54 x 49.48 inches (448 x 217 x 1257 mm)
<b>Protection degree</b>	IP 21 (vertical) - Additional filter protection on demand.
<b>Weight</b>	149.91 lb (68 kg)
<b>Input Cable</b>	2.7 yd (2.5 m) +/-10% (length) - AC plug on demand
<b>Output Cables</b>	2.7 yd (2.5 m) +/-10% (length) - DC plug on demand

