

# HFY & HFX

SINGLE PHASE 230 Vac



## MAIN APPLICATIONS



## SUITABLE BATTERIES

Wet lead acid - PzS

GEL - AGM - VRLA - PzV

Lithium (on demand)

## MODELS AVAILABLE

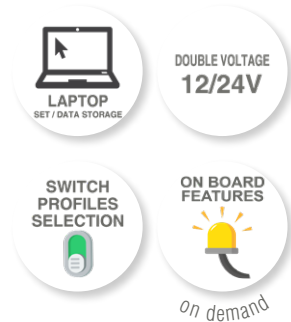
	V	A	VAC	CODE	Lead acid (Ah)		Gel (Ah)	Iac
					7-8h	10-11-14h	12-14h	Current draw
HFY	12 - 24	5	1x230	<b>HFYD 12-24/5</b>	31-35	42-47-57	38-47	1,12
	12 - 24	10	1x230	<b>HFYD 12-24/10</b>	61-71	85-94-113	75-94	2,25
	12 - 24	15	1x230	<b>HFYD 12-24/15</b>	92-106	127-141-170	113-141	3,37
	12 - 24	20	1x230	<b>HFYD 12-24/20</b>	122-141	169-188-227	151-188	4,49
HFX	12 - 24	25	1x230	<b>HFXD 12-24/25</b>	153-176	212-235-283	189-235	5,58
	12 - 24	30	1x230	<b>HFXD 12-24/30</b>	183-212	254-282-340	226-282	6,70
	36	20	1x230	<b>HFXD 36/20</b>	122-141	169-188-227	151-188	6,70
	48	15	1x230	<b>HFXD 48/15</b>	92-106	127-141-170	113-141	6,70

## PRODUCT INTRO

**HFY** is the smallest HF charger suitable for on-board applications with LED visual interface.

**HFX** is the small-medium sized HF charger suitable for semi-traction & on-board applications with LED visual interface.

Easy built-in jumpers enable voltage and profile selection (12-24V and two profiles) PC connection for advanced setting, data-report and diagnostic.



## GENERAL CHARACTERISTICS

	HFX	HFY
<b>Mains</b>	230V (1ph) +/-10% 50-60Hz On/off switch	230V (1ph) +/-10% 50-60Hz
<b>Visual signalling</b>	Single LED (3 colours)	
<b>Charger setting</b>	By switches: voltage (12-24) and 2 charging profiles (Pb/Gel pre-set) By PC: extra editable charging profiles, capacity, output current	
<b>Data memory</b>	Charger gives a report of the last 25 cycles and key technical data by integrated PC port output	
<b>Cool-down system</b>	Fan idle within 40°C internal components temperature.	
<b>Efficiency</b>	> 85%	
<b>Operating temperature</b>	0° to +40°C	
<b>Certifications</b>	CE in conformity with LV and EMC protocols	

## SAFETY FEATURES

<b>Input protection</b>	Delay AC fuse
<b>Output protection</b>	By relay (reverse polarity protection)
<b>Thermal Protection</b>	Forced derating on primary side Forced derating or safety cut off on the diodes
<b>Protection during battery disconnection</b>	Safety cut off by undervoltage

## OPTIONALS

<b>On board</b>	Inhibitor cable (Vac presence relay), remote LED, curly AC cable
<b>Stand alone/wall mounted</b>	Cable holder
<b>On board/stand alone/wall</b>	Additional extra coating

## MECHANICAL CHARACTERISTICS

	HFX	HFY
<b>Dimensions</b>	112 (w) 75 (h) 275 (l) mm	121 (w) 75 (h) 230 (l) mm
<b>Protection degree</b>	IP 21 (horizontal)	
<b>Weight</b>	3 kg	2 kg
<b>Input cable</b>	2,3 m +/- 10% (length) complete with Schuko plug 16A	
<b>Output cables</b>	2,3 m +/- 10% (length) - DC plug on demand	