

HFY & HFX

SINGLE PHASE 230 Vac



MAIN APPLICATIONS



SUITABLE BATTERIES

Wet lead acid - PzS

GEL – AGM – VRLA – PzV

Lithium (on demand)

MODELS AVAILABLE

					Lead acid (Ah)		Gel (Ah)	Iac
					7-8h	10-11-14h	12-14h	Current draw
HFY	V	A	VAC	CODE				
	12 - 24	10	1x230	HFYD 12-24/10	61-71	85-94-113	75-94	2,25
	12 - 24	15	1x230	HFYD 12-24/15	92-106	127-141-170	113-141	3,37
HFX	12 - 24	20	1x230	HFYD 12-24/20	122-141	169-188-227	151-188	4,49
	12 - 24	25	1x230	HFXD 12-24/25	153-176	212-235-283	189-235	5,58
	12 - 24	30	1x230	HFXD 12-24/30	183-212	254-282-340	226-282	6,70
	36	20	1x230	HFXD 36/20	122-141	169-188-227	151-188	6,70
	48	15	1x230	HFXD 48/15	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). Also, PC connection allows advanced setting, data-report and diagnostic.

HFX is also available with CAN-bus communication (HXE-C version).



GENERAL CHARACTERISTICS

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

SAFETY FEATURES

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

OPTIONALS

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

MECHANICAL CHARACTERISTICS

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