HFY & HFX

SINGLE PHASE 230 Vac

MAIN APPLICATIONS

SUITABLE BATTERIES

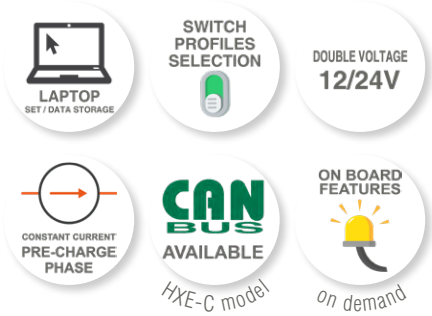
Wet lead acid (PzS) – GEL – AGM – VRLA – PzV – Lithium (on demand)

MODELS AVAILABLE

					Lead acid (Ah)		Gel (Ah)	
	V	A	VAC	CODE	7,5-8,5h	10-12-14h	12-14h	Iac
HFY	12 - 24	10	1x230	**HFYD 12-24/10**	61-73	85-104-123	75-94	2,3
	12 - 24	15	1x230	**HFYD 12-24/15**	92-110	127-155-185	113-141	3,4
	12 - 24	20	1x230	**HFYD 12-24/20**	122-146	169-207-247	151-188	4,5
HFX	12 - 24	25	1x230	**HFXD 12-24/25**	153-183	212-259-308	189-235	5,6
	12 - 24	30	1x230	**HFXD 12-24/30**	183-219	254-311-370	226-282	6,7
	36	20	1x230	**HFXD 36/20**	122-146	169-207-247	151-188	6,7
	48	15	1x230	**HFXD 48/15**	92-110	127-155-185	113-141	6,7

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	230Vac (1ph) +/-10% 50-60Hz On/off switch	230Vac (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

Cable holder
Inhibitor cable (Vac presence relay), remote LED, curly AC cable

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	