



# HFY Singlephase 230Vac - Up to 690W - 12/24V

## CODING (example)

MODEL	V	A	CURVE code
▼	▼	▼	▼
HFYD	12 -- 24	20	P00

# HFY



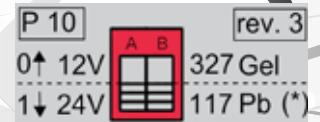
## SUITABLE BATTERIES

Lead acid - PzS  
 GEL - AGM - VRLA - PzV  
 Lithium - (on demand)

## EXPECTED RECHARGE TIME

7-13,5h

## MAIN APPLICATIONS



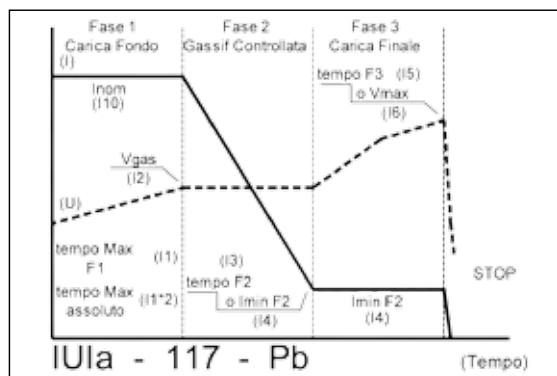
## MODELS AVAILABLE

V	A	VAC	CODE	Ah in 7-8,5h*	Ah in 11-13,5h*	cabinet code
12 -- 24	5	230	HFYD 12-24/ 5	23-35	48-56	1
12 -- 24	10	230	HFYD 12-24/ 10	46-68	92-111	1
12 -- 24	15	230	HFYD 12-24/ 15	71-105	143-171	1
12 -- 24	20	230	HFYD 12-24/ 20	91-136	185-222	1

\*Ah referred to lead acid batteries

## MAIN CHARGING PROFILES AVAILABLE

IUa
IUoU
IUIa
IUIU
on demand



### GENERAL CHARACTERISTICS

General information	High Frequency charger - Switching technology
Visual Signalling	Single LED (3 colours) on the front side
External Signalling (optionals)	Single LED (3 colours)
Charger setting	(by DIPs) Voltage (12-24) and Charging Profile (0-1) (by PC) 7 preset charging profiles, Ah, output current
Switch (on-off)	Not present
Storage Data - optional	Charger gives a Report of the last 25 charges and other information (by PC)
Operating Temperature	-20 to +40° full power +55°C with derating
Storage Temperature	-20 to +60°
Max Humidity	RH 90% without condensation

### ELECTRICAL CHARACTERISTICS AND SAFETIES

Mains	Vac 230V (1ph) +/-10% 50-60Hz
Efficiency	>85%
Input Protection	Delay fuse
Output Protection	by Relay (reverse polarity protection)
Thermal Protections	A probe on primary side forces a derating (fix value) A probe on the diodes forces a derating or stops charging if needed (can be set)
Insulation	2 kV
Output short circuit	Protected (by undervoltage) Chargers shut down in few seconds
Opening Output Cables	Protected (by undervoltage) Chargers shut down in few seconds

### OPTIONALS

On board	Inhibitor cable - Vac presence relay
On board	Remote Led
On board	Curly cable
Stand alone / wall mounted	Cable holder
On board / stand alone / wall	Thermal coating

### MECHANICAL CHARACTERISTICS

Dimension	203 (L-body) 121 (W) 75(h) 230 (L- plate) mm.
Wall mounting	50 x 215 mm
Protection Degree	IP20 (vertical) IP21 (horizontal)
Installation requirements	Forced ventilation charger. Do not cover air openings (distance 300mm typ.)
Weight	1,42Kg without cables; 1,95 Kg (with std cables)
Input cable length	2.300 mm (length)
Input Plug	Schuko 16A/250V (CEE 7/7)
Output cable	2.400 mm (length)
Output Plug	Optional
Packaging	330 (L) 290 (W) 105 (h) mm

