

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 |
|-------------------|
| |

P 10 rev. 3
 0↑ 12V 327 Gel
 1↓ 24V 117 Pb (*)

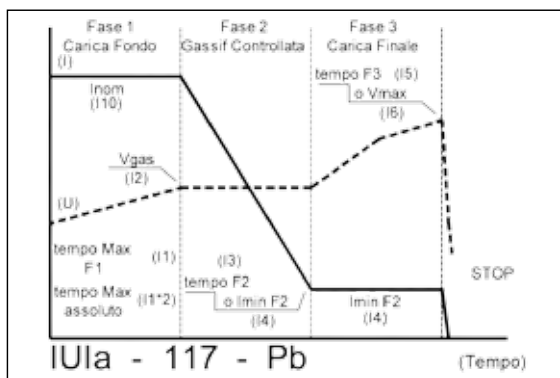


| MODELS AVAILABLE | | | | | | |
|------------------|----|-----|----------------|---------------|-----------------|--------------|
| V | A | VAC | CODE | Ah in 7-8,5h* | Ah in 11-13,5h* | cabinet code |
| 12 -- 24 | 5 | 230 | HFYD 12-24/ 5 | 23-35 | 48-56 | 1 |
| 12 -- 24 | 10 | 230 | HFYD 12-24/ 10 | 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 |
| IUla |
| IUIU |
| on demand |



GENERAL CHARACTERISTICS High

| | |
|---------------------------------|--|
| General information | 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 203

| | |
|---------------------------|---|
| Dimension | (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 |

