

MINISTAR (EMERGENCY POWER SYSTEM 400-600VA)



- High frequency PWM Inverter
- Single phase input
- Single phase pure sine wave output
- Insulation transformer on the inverter output
- High DC/AC efficiency
- Microprocessor control with 32 bit
- LEDs for clear information about the status of the E.P.S.
- Short transfer time, less than 10 msec (short break)
- Rescue operation (output always present)
- Internal battery – Nominal voltage 24Vdc (S.E.L.V.)
- Suitable for any type of safety utilization
- Specific for led lights, suitable for any other type of load (small pumps, motors power factor corrected lamps or lights, small refrigerators)
- Compact and small dimensions
- Easy wall installation

Opzionali:

- Emergency Power Off (E.P.O.) for Inverter shutdown immediate
- Possibility of increasing autonomy with adequate charger
- Auto Off to load < 3% , with sensor presence load for start every 30 sec.
- Possibility of Emergency operation
- Batteries 10 years expected life (according to EN50171)



MINISTAR MODEL		400	600
POWER	POWER (W)	350	550
INPUT	VOLTAGE	230 Vac +10/-20%	
	FREQUENCY	50 Hz +/- 5% (60 Hz - option)	
OUTPUT	VOLTAGE	Line working: line Battery working : 230 Vac +/- 0,5%	
	FREQUENCY	Line working: line frequency Battery working: 50Hz+/-0,005%	
	OVERLOAD	110% per 60 sec. - 130% per 10 sec. – short circuit management	
	WAVEFORM	Pure sinewave	
	VOLTAGE DISTORTION (THD)	< 3% (linear load)	
	EFFICIENCY at full load	With line present > 99%; on battery working > 90%	
BATTERIES	RECHARGE TIME	6 – 10 for full autonomy	
GENERAL NOTES	NOISE (dba at 1 meter)	< 40	
	TEMPERATURE	0 to 40 °C	
	RELATIVE HUMIDITY AT 35° C	< 90% no condensing	
	E.P.S. DIMENSIONS (W X D X H) mm	305 x 130 x 450	
	PACKING E.P.S. DIMENSIONS (W X P X H) mm	370 x 210 x 520	
	WEIGHT (KG) without batteries	4	6
PROTECTION	COMPLIANCE	safety EN 62040-1-2, EMC EN 62040-2, CSS EN 50171 (battery on request)	
	ELECTRONIC	overload – short circuit – battery low	
	ELECTRIC	Input and output fuses and battery fuse (internal)	
SIGNALLING	MECHANICAL	IP21	
	OPTICAL	Functional E.P.S. – overload - - battery low – general alarm	
	ACOUSTIC	Line fails – battery low - overload – test battery	

POWER	MODEL	CODE	AUT. (min.)	DIM. (WxDxH) (mm)	BATTERY	WEIGHT (Kg)
400VA 350W	MINISTAR4-10	4E0400-10	10'	305 x 130 x 450	n.2 12V-7Ah	8,2
	MINISTAR4-30	4E0400-30	30'	305 x 130 x 450	n.4 12V-7Ah	12,4
	MINISTAR4-60	4E0400-60	60'	305 x 130 x 450	n.6 12V-9Ah	18,4
600VA 550W	MINISTAR6-10	4E0600-10	10'	305 x 130 x 450	n.2 12V-12Ah	13,7
	MINISTAR6-30	4E0600-30	30'	305 x 130 x 450	n.4 12V-12Ah	21,4
	MINISTAR6-60	4E0600-60	60'	N.2 305 x 130 x 450	n.10 12V-9Ah	33

Option

CODE	Descriptions
7050	Communication port RS485
7011E	Emergency Power Off (E.P.O.) for Inverter shutdown immediate
7013E	Dry general alarm
7051E	Emergency operation