

## EMERGENCY POWER SYSTEM 400-3000VA SMI SERIES



### MAIN FEATURES

- High frequency PWM Inverter
- Single-phase input
- Single-phase sinusoidal output
- Isolation transformer in the inverter output
- Efficiency DC/AC high
- Microprocessor control with 32 bit
- Leds for clear information about the status of the E.P.S.
- Short trasfer 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
- **OPTIONS**
- 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)

TYPE	24 V DC		48 V DC				
	SMI 04	SMI 06	SMI 10	SMI 15	SMI 20	SMI 25	SMI 30
P (VA)	400	600	1000	1500	2000	2500	3000
P (W)	350	550	1000	1500	2000	2500	3000
INPUT	VOLTAGE		230 Vac +10/-20%				
	FREQUENCY		50 Hz +/- 5% (60 Hz - option)				
OUTPUT	VOLTAGE		Line working: line. Battery working: 230Vac +/- 0,5%				
	FREQUENCY		50 Hz +/- 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		da 0 a 40 °C				
	RELATIVE HUMIDITY AT 35° C		90% non-condensing				
	UPS DIMENSIONS (L X P X H) mm		315 x 255 x 550				
	WEIGHT (KG) without batteries		In progress				
	COMPLIANCE		Safety EN 62040-1-2, EMC EN 62040-2, CSS EN 50171 (battery on request)				
PROTECTION	ELECTRONIC		Overload - short circuit - battery low				
	ELECTRIC		Input and output fuses and battery fuse (internal)				
	MECHANICAL		IP20				
ALARMS	OPTICAL		Functional E.P.S. - Overload - battery low - general alarm				
	ACOUSTIC		Line fails - battery low - overload - test battery				

### ACCESSORIES

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