

## DC/AC INVERTER MTS - INV SERIES



The new MTS-INV series inverters are the result of careful studies to develop a high efficiency and high performance product, all made in a compact box. These DC / AC conversion systems take energy from direct voltage sources such as rectifiers and buffer batteries, guaranteeing power and continuity even when the AC power sources are no longer available.

Thanks to the numerous versions available as input voltage and power, the uses can be different and therefore ideal for supplying quality power and continuity to the equipment, for example ruter etc. or in some electrical transformer substations for the 110Vdc versions. Optional interfaces allow remote monitoring even if installed in unmanned environments.

### MAIN FEATURES

- Inverter MOSFET with low loss at high frequency with high efficiency
- Wide DC input range
- Output 230Vac, single phase, pure sinewave
- Isolating transformer on the inverter output
- Limit inrush current at power start
- DSP microprocessor for inverter control and management user interfaces
- Display and leds for greater information on the status of the inverter
- Self-diagnosis of faults

### OPTIONS

- Pulse input (TTL)
- E.P.O. (Emergency Power Off)
- Alarms on dry contact
- Internal static bypass switch
- Communication interface RS232 and software for monitoring and management
- SNMP adapter with software

MTS - INV TYPE		1000	1500	2000**	3000**	4000**	5000**	6000**
<b>POWER</b>	POWER (W)	1000	1500	2000	3000	4000	5000	6000
<b>INPUT</b>	DC INPUT VOLTAGE	24 / 48 / 60 / 110 / 220 / 250 Vdc (ask on the order)						
<b>OUTPUT</b>	VOLTAGE	230 Vac +/-3%						
	FREQUENCY	50Hz +/- 0,05%						
	OVERLOAD	110% per 60sec - 130% per 10sec - short circuit management						
	WAVEFORM	sinewave						
	VOLTAGE DISTORTION (THD)	< 2% with full linear load						
	EFFICIENCY AT FULL LOAD	92%						
	CONNECTIONS	clamps						
<b>GENERAL NOTES</b>	NOISE (dba at 1 meter)	< 40						
	OPERATING TEMPERATURE	da 0 a 40 °C						
	RELATIVE HUMIDITY AT 35° C	fino al 90% non-condensing						
	DIMENSIONS (W x D x H) mm*	483 x 355 x 95 (2U)			483 x 475 x 133 (3U)		483 x 475 x 222 (5U)	
	PACKING DIMENSIONS (L x P x H) mm	630 x 570 x 220			630 x 570 x 270		650 x 570 x 440 (5U)	
	WEIGHT (Kg)	18	20	24	27	35	37	
	COMPLIANCE	Safety EN 62040-1, EMC EN 62040-2, efficiency EN 62040-3						
<b>PROTECTIONS</b>	ELECTRONIC	Overload - short circuit - min/max input voltage - output low voltage						
	ELECTRIC	input fuse						
	MECHANICAL	IP20						
<b>SIGNALLING</b>	OPTICAL	Status of the inverter - overload - alarms						
	ACOUSTIC	Overload - short circuit - min/max input voltage - output low voltage						

\* With options the dimensions can be different. Possibility of others power size, with custom solutions.

\*\* Models with 24 VDC power supply are excluded.