

Uninterruptible Power Supply

MEGALINE

UPS's can protect systems against lightning strikes, power failures, brownouts, surges, poorly conditioned power feeds and offer an economical safeguard against many forms of electrical spikes in the frequency or the amplitude of the input voltage. In case of critical environment with no proper protection installed, these kinds of occurrences can cause damage to the equipment or cause components not to work or function properly.

In our MEGALINE UPS's, the decoupling of the output from the input makes it possible to operate the equipment with a wide input voltage range, reducing the number of battery switchovers and allowing operation with GEN-SETS and frequency conversion. Thanks to the special design of the inverter stage which is always on line, the intervention time is nil. The modular architecture of electronics and batteries admits redundant configurations, simplified maintenance and the possibility of fast expansions, to provide your UPS with additional increased capability.



Redundancy in terms of both the power modules and the batteries: rectifier, inverter and battery charger are all fitted on each of the power boards.

Operating continuity is always guaranteed, even if one of the modules should fail, without any interruption or switchover, thanks to parallel load sharing (all the boards participate in the supply of power to the load). The level of redundancy is set via software using the display, to warn when redundancy, but not operation, may be endangered because of an increase in consumption.

All the operating data and UPS settings are readily accessible by way of the LCD panel. The operating parameters can be set in UPS Setup in order to optimise their application.

It is also possible to programme UPS switch on,

switch off and testing with a daily, weekly or monthly schedule, or on command.

The LCD display is extremely user friendly, so that these operations are also accessible to the less experienced.

Password protection, however, is envisaged.

Easy to expand in power and autonomy thanks to the full modularity of the boards and the low voltage (36V) battery kits, enabling the battery operation time to be customised according to the specific application. All the models, even the single cabinet versions up to 5000 VA, can be easily connected to external battery cabinets without the need for any modification thanks to the standard, plug&play-type connection.

CODE	MODEL	DESCRIPTION
F859	MEGA 2500R	UPS 2,5 KVA MEGALINE RACK (Back up 30 min. at 80%)
AVAILABLE OPTIONS	1 Battery charger slots in dedicated battery cabinet up tp 5000 W	

Technical data

Technology	On line dual conversion
Input voltage range	184÷264 V with 100% load - 100÷264 V with 50% load
Input frequency	50 / 60 Hz ± 2% autosensing
Input current THD	< 3%
Input power factor	> 0,99 from 20% of load on
OUTPUT SPECIFICATIONS	
Nominal output voltage	230 V ± 1%
Nominal output frequency	50 / 60 Hz synchronized
Output voltage THD	< 1%
Batteries	3 pcs 12 V 9 Ah sealed, lead-acid, maintenance free batteries each power board
Back up – 80%	load 11

Back up – 50%	load 20
Bypass	Static + electromechanical - zero transfer time
Overload capability (mains mode)	150% for 30 sec. - 200% for 5 sec. Without bypass intervention
Acoustic noise @ 1m	40 dBA
STANDARDS COMPLIANCE	
Typical Features	EN 50091-3
EMC	EN 50091-2
Safety	EN 50091-1
TEMPERATURE	
Nominal range	0° to 40° C (Meets ETS 300 019 requirements)
Maximum relative Humidity	From 20% to 80% non condensing



SPECIFICATIONS	MEGALINE 1250	MEGALINE 2500	MEGALINE 3750	MEGALINE 3750
Nominal power	1250	2500	3750	5000
Active power	875	1750	2625	3500
Batteries number	3	6	9	12
Dimensions (W x H x D) mm	270 x 475 x 570	270 x 475 x 570	270 x 475 x 570	270 x 475 x 570
Weight	23 Kg	34 Kg	43 Kg	53 Kg
Installed power boards	1	2	3	4
Available power slots	3	2	1	0
Installed battery kits	1	2	3	4
Available battery slots	3	2	1	0

SPECIFICATIONS	MEGALINE 6250/2	MEGALINE 7500/2	MEGALINE 8750/2	MEGALINE 10000/2
Nominal power	6250	7500	8750	10000
Active power	4375	5250	6125	7000
Batteries number	15	18	21	24
Dimensions (W x H x D) mm	2 x 270 x 475 x 570	2 x 270 x 475 x 570	2 x 270 x 475 x 570	2 x 270 x 475 x 570
Weight	26 + 58 Kg	29 + 65 Kg	31 + 73 Kg	34 + 80 Kg
Installed power boards	5	6	7	8
Available power slots	4	3	2	1
Installed battery kits	4	5	6	7
Available battery slots	6	5	4	3