

 INVERTERS

The inverters ELIT-INV series are outcome of a long experience in the planning and manufacturing of UPS. The DC/AC converters distinguish themselves by advanced employed components, and by their excellent reliability and higher maintenance, aim characteristics of all ELIT products.

These apparatus are studied for the following main applications:

- Wind power and photovoltaic plants;
- Automation;
- Telecommunications;
- Railway field;
- Civil and military aviation;
- Civil and military shipyard.

**PRINCIPLES OF WORKING**

The inverter ELIT-INV series, with the microprocessor control that rules the performances and the signalling, is able to generate a stabilized and sinusoidal 230Vac from a dc link voltage. The conversion is realized with a power mosfet stage that drives a raiser transformer with scattered flux. The transformer gets also the insulation between input and output circuits. The pcb board generates the driver signals of mosfets keeping the output voltage stabilized in all load conditions. The pcb board includes also the electronic circuits to prevent the power stage from overload and short circuits.

The inverter is available in three different configuration: open frame, cabinet and rack mounting.

**TECHNICAL DATA**

- Input voltage: 12Vdc, 24Vdc, 48Vdc and 110Vdc;
- Filtered, stabilized and regulated sine wave supply;
- Extended window input voltage;
- Insulation transformer;
- 230Vac emergency line with automatic circuit breaker as option;
- LEDs signaling;
- Dry contacts interface to remote alarms;
- ON/OFF remote control (as option);
- Different voltages and frequencies (as request);
- Custom apparatus

Product Code	Rated Power VA	Input Voltage Vdc	Output Voltage Vac	Configuration	Dimensions mm	Weight kgs
INV12/600	600	12	230	Open frame	420x250x160	8
INV12/600NS	600	12	230	Cabinet	220x500x200	8
INV12/600RT	600	12	230	Rack 19"	483x300 3U	8
INV12/800	800	12	230	Open frame	420x250x160	13
INV 12/800NS	800	12	230	Cabinet	220x500x200	13
INV 12/800RT	800	12	230	Rack 19"	483x390 4U	13
INV12/1000	1000	12	230	Open frame	420x250x160	13
INV12/1000NS	1000	12	230	armadio	220x500x200	13
INV12/1000RT	1000	12	230	Rack 19"	483x390 4U	13

Product Code	Rated Power VA	Input Voltage Vdc	Output Voltage Vac	Configuration	Dimensions mm	Weight kgs
INV24/500	500	24	230	Open frame	420x250x160	8
INV24/500NS	500	24	230	Cabinet	220x500x200	8
INV24/500RT	500	24	230	Rack 19"	483x300 3U	8
INV24/800	800	24	230	Open frame	420x250x160	13
INV24/800NS	800	24	230	Cabinet	220x500x200	13
INV24/800RT	800	24	230	Rack 19"	483x390 4U	13
INV24/1200	1200	24	230	Open frame	570x310x180	23
INV24/1200NS	1200	24	230	Cabinet	220x500x200	23
INV24/1200RT	1200	24	230	Rack 19"	483x390 4U	23
INV24/1600	1600	24	230	Open frame	570x310x180	25
INV24/1600NS	1600	24	230	Cabinet	215x545x550	25
INV24/1600RT	1600	24	230	Rack 19"	483x390 4U	25
INV24/2000	2000	24	230	Open frame	570x310x180	28
INV24/2000NS	2000	24	230	Cabinet	215x545x550	28
INV24/2000RT	2000	24	230	Rack 19"	483x390 4U	28
INV24/3000NS	3000	24	230	Cabinet	250x700x600	60
INV24/3000RT	3000	24	230	Rack 19"	483x650 5U	60
INV24/4000NS	4000	24	230	Cabinet	400x800x500	72
INV24/4000RT	4000	24	230	Rack 19"	440x650 5U	72
INV24/4500NS	4500	24	230	Cabinet	400x800x500	80
INV24/4500RT	4500	24	230	Rack 19"	440x650 5U	80

Product Code	Rated Power VA	Input Voltage Vdc	Output Voltage Vac	Configuration	Dimensions mm	Weight kgs
INV48/500	500	48	230	Open frame	420x250x160	8
INV48/500NS	500	48	230	Cabinet	220x500x200	8
INV48/500RT	500	48	230	Rack 19"	483x300 3U	8
INV48/800	800	48	230	Open frame	420x250x160	13
INV48/800NS	800	48	230	Cabinet	220x500x200	13
INV48/800RT	800	48	230	Rack 19"	483x390 4U	13
INV48/1200	1200	48	230	Open frame	570x310x180	25
INV48/1200NS	1200	48	230	Cabinet	220x500x200	25
INV48/1200RT	1200	48	230	Rack 19"	483x390 4U	25
INV48/1600	1600	48	230	Open frame	570x310x180	28
INV48/1600NS	1600	48	230	Cabinet	215x545x550	28
INV48/1600RT	1600	48	230	Rack 19"	483x390 4U	28
INV48/2000	2000	48	230	Open frame	570x310x180	35
INV48/2000NS	2000	48	230	Cabinet	215x545x550	35
INV48/2000RT	2000	48	230	Rack 19"	483x390 4U	35
INV48/3000	3000	48	230	Open frame	570x310x200	40
INV48/3000NS	3000	48	230	Cabinet	320x605x640	40
INV48/3000RT	3000	48	230	Rack 19"	483x395 6U	40
INV48/4000	4000	48	230	Open frame	570x310x200	50
INV48/4000NS	4000	48	230	Cabinet	320x605x640	50
INV48/4000RT	4000	48	230	Rack 19"	483X395 6U	50
INV48/5000NS	5000	48	230	Cabinet	400x800x500	72
INV48/5000RT	5000	48	230	Rack 19"	440x650 5U	72
INV48/6000NS	6000	48	230	Cabinet	400x800x500	78
INV48/6000RT	6000	48	230	Rack 19"	440x650 5U	78

Product Code	Rated Power VA	Input Voltage Vdc	Output Voltage Vac	Configuration	Dimensions mm	Weight kgs
INV110/500	500	110	230	Open frame	420x250x160	8
INV110/500NS	500	110	230	Cabinet	220x500x200	8
INV110/500RT	500	110	230	Rack 19"	483x300 3U	8
INV110/800	800	110	230	Open frame	420x250x160	13
INV110/800NS	800	110	230	Cabinet	215x545x550	13
INV110/800RT	800	110	230	Rack 19"	483x390 4U	13
INV110/1200	1200	110	230	Open frame	570x310x180	25
INV110/1200NS	1200	110	230	Cabinet	215x545x550	25
INV110/1200RT	1200	110	230	Rack 19"	483x390 4U	25
INV110/1600	1600	110	230	Open frame	570x310x180	28
INV110/1600NS	1600	110	230	Cabinet	215x545x550	28

Product Code	Rated Power VA	Input Voltage Vdc	Output Voltage Vac	Configuration	Dimensions mm	Weight kgs
INV110/1600RT	1600	110	230	Rack 19"	483x390 4U	28
INV110/2000	2000	110	230	Open frame	570x310x180	35
INV110/2000NS	2000	110	230	Cabinet	215x545x550	35
INV110/2000RT	2000	110	230	Rack 19"	483x390 4U	35
INV110/3000	3000	110	230	Open frame	570x310x200	40
INV110/3000NS	3000	110	230	Cabinet	320x605x640	40
INV110/3000RT	3000	110	230	Rack 19"	483x395 6U	40
INV110/4000NS	4000	110	230	Cabinet	250x650x600	66
INV110/4000RT	4000	110	230	Rack 19"	440x650 5U	66
INV110/5000NS	5000	110	230	Cabinet	400x800x450	72
INV110/5000RT	5000	110	230	Rack 19"	440x650 5U	72
INV110/6000NS	6000	110	230	Cabinet	400x800x450	78
INV110/6000RT	6000	110	230	Rack 19"	440x650 5U	78
INV110/7000NS	7000	110	230	Cabinet	400x800x450	83
INV110/7000RT	7000	110	230	Rack 19"	440x650 5U	83