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# INV-T 125B

## Stand Alone Inverter (Bench Casing)

### Description

The INV-T series of inverters can be specified to operate from a wide variety of DC Inputs. These compact units utilise the same technology as their larger counterparts even though the output power is relatively low at 125 to 250VA. This range features a true sinewave output which is generated by a dedicated microprocessor. Overload and short circuit protection are built in as standard. LED's are provided to show the operating status of the inverter. An alarm output signal is available in the form of voltage free contacts. A choice of case sizes are available at each power level making the INV-T range ideal for use in locations with tight space restrictions. Different summaries are available for the wall mount, bench top and 19" cassette versions. In all case formats these robust inverters carry a twenty-four month guarantee. The wide operating temperature range helps to ensure that the INV-T series is suitable for an extensive number of professional applications.



- Short circuit & overload protected
- With 50Hz output transformer
- Sinewave output
- Bench Top Case
- Potential free

### Selection Table

Part Number	Maximum Power	Input Voltage	Output Voltage*	Output Frequency*
INV-T 125B-24	125VA	24VDC	230VAC	50Hz
INV-T 125B-24-1	125VA	24VDC	115VAC	60Hz
INV-T 125B-48-60	125VA	48/60VDC	230VAC	50Hz
INV-T 125B-48-60-1	125VA	48/60VDC	115VAC	60Hz
INV-T 125B-110	125VA	110VDC	230VAC	50Hz
INV-T 125B-110-01	125VA	110VDC	115VAC	60Hz

\*Different output voltages and frequencies are possible. Please contact ET to discuss your requirements.



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### Technical Data

#### General

Electrical Safety	EN 60950, VDE 0805 (Overload & Shortcircuit protected)
Efficiency	Approx. 85% by nominal load
Galvanic Isolation	3.75 kVDC
EMC (Emission)	EN 50081-1, Curve EN 55022B
EMC (Immunity)	EN 50082-2
Operating Temperature	-5 to +40°C (non condensing)

#### Input DC

INV-T 125B-24	24 (19 - 31)VDC
INV-T 125B-48-60	48/60 (38 - 72)VDC
INV-T 125B-110	110 (88 - 132)VDC

#### Output AC

Voltage	230VAC (115Vac option)
Frequency	50Hz (60Hz option)
Output Power	125VA/100W
Power Factor	0.8
Load Range	0 - 100%
Crestfactor	> 2.0
Harmonic Distortion	< 5%

#### Housing

Casing	Bench Case
Size	Approx. 243 x 175 x 72mm (W x H x D)
Weight	Approx. 2.5kg
Classification	IP 20
Ventilation	Convection

#### Electrical Connections

Input	Power combicon 3 pole type: PC 4/3-G-7.62
Rear Connectors	Appliance outlet EN 60320
Rear Connectors	Mini combicon 6 pole type: MC-1.5/6 GF-3.81

#### Other

Optical Signals	Power on/PG, Overload/OVL
Signal Output	Voltage free alarm contact
Accessories	Connection set (included)
Warranty	2 Years