



Ebbett Automation Ltd

SINE-WAVE INVERTER

230 Volt Power From A Battery



Extra low RFI emission

For sensitive communications environments

- * Safety transformer output, full input/output isolation
- * Automatic voltage regulation
- * Local or remote on/off/reset
- * Optional mounting brackets, meters
- * Industrial-quality design
- * Current-limit
- * Floating battery

EBBETT SINE-WAVE INVERTER

SPECIFICATIONS:

OUTPUT LOAD:	Cont	150 VA			
	Surge	300 VA			
BATTERY VOLTAGE:		12 V	24 V	48 V	110 V
BATTERY CURRENT:	No load	500 mA	250 mA	200 mA	100 mA
	Max	15 A	8 A	4 A	2 A
PHYSICAL DIMENSIONS:	250 H x 210 W x 115 D				
WEIGHT:	5 kg				
OUTPUT VOLTAGE:	230 V AC plus or minus 5%.				
FREQUENCY:	50 Hz plus or minus 0.5 Hz.				
WAVE-FORM:	Voltage sine-wave on linear load. At cont load, Vb max, distortion less than 7%.				
EFFICIENCY:	>70%.				
PROTECTION:	Electronic; overcurrent trip, current-limited output, thermal overload, low output voltage trip, soft-start load-protection.				
	Input fuse.				
BATTERY CONNECTION:	Klippon terminals under front cover plus 2 metre battery lead, terminated with :-				
	Clips	Clips	Lugs	Lugs	
OPERATING TEMPERATURE:	Ambient 0 to +40 deg C. Above 20 deg C, derate output ≈1% per deg C.				
	Normal mounting, heat sinks vertical. Horizontal mounting, derate output 15%.				
ON-OFF-RESET:	Low current control switch located on top of cabinet.				
	Internal pcb terminals provided for low current, remote on-off-reset.				
POWER OUTLET:	Single 3 pin socket.				
INDICATION:	LED indication for Inverter On, Overload, & Low Battery Trip.				
OPTIONS:	Mounting brackets.				
	Dual output socket.				
	Rack or gear plate mounting.				
	Other input, output voltages and frequencies etc.				
	Battery ammeter.				
	Battery voltmeter.				
	Mains-failure load transfer relay. NO or NC clean pair of contacts for remote alarm.				
ELECTRICAL SAFETY:	Manufactured to NZS 6200 and relevant isolating transformer requirements.				
	Floating output. Outlet earth-pin connected to case.				
	Complies with NZECP4 1989 Generating Systems, and NZECP29 1989 Boat Marinas & Pleasure Craft.				
ELECTRICAL INTERFERENCE:	RFI emission less than 60 microvolts. Telecom type approval No 2044.				
	Supplied ex factory, battery input floating above earth. Alternatively positive or negative terminals can be connected to chassis for maximum RFI suppression.				
PERMANENT INSTALLATION:	6 mm threaded holes for bulkhead mounting from rear, or standard mounting brackets available as an optional extra.				
TYPICAL APPLICATIONS:	* Sensitive communications equipment				
	* Telecom modems				
	* Telemetry equipment				
	* TVs, video, audio recorders				
	* Musical instruments				
	* Industrial instruments				
	* Power tools, sewing machines, shavers (series motors up to cont load rating).				
	* Laptop computers, disk drives, printers				
	* Fax machines, mobile phones				
	* Calculators, rechargeable battery equipment				
	* Clocks				
	* Electronic typewriters				
	* Electronic scales				
	* Radios & transmitters				

Note: Derate approximately 50% for starting fans (induction motor).

Distributed by:

Manufactured by:

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