

DC TO AC Power 400-2000w Inverters



This Kisea power inverter silently converts 12v DC battery power to 230v AC mains electricity. Kisea inverters use pure-sinewave technology to provide an interference free output that is fully compatible with even the most sensitive AC appliances. All inverters are rated for continuous output and feature low battery, overload, overheat and short-circuit protection. Merlin introduced the first switch-mode power inverter to the UK market 23 years ago, using our experience of manufacturers and applications, we have selected a range of inverter products that represent the best reliability, electrical performance and safety in their class. Merlin engineers have full knowledge of Health & Safety, CE, NECIEC and MCA coding to ensure that installations meet the required laws. This includes the requirements of Earth Bonding and RCD devices – important subjects that you must comply with to ensure a legal and safe installation.



- **All units develop Pure-Sinewave output for use with all electrical appliances**
- **High surge capability for starting inductive loads and those with electrical motors (such as vacuum cleaners and pumps)**
- **Available from 400-2000 watt outputs, 12 and 24V**
- **High quality design and manufacture processes from known factories**
- **European e-mark and CE certification**

Protected against overload, overheat, short-circuit, low battery shut-off & high battery voltage. Their output is clean with a Total Harmonic Distortion (THD) of less than 3% (better than normal mains power). Each inverter is continuously rated at up to 25°C to ensure continuous operation even at full power. Each inverter uses convective (non-fan assisted) cooling at low power and thermostatic fan cooling at higher outputs/ temperatures. Heavy duty DC connection hardware is provided for resistance free connection to your battery system. Each inverter in the range has also been independently tested and complies with the requirements of the European 'e-mark'. 24V and 48V input models available on request.

PART #	01-8030	01-8035	01-8040
PARAMETER	12V- 400W	12V- 1000w	12V- 2000W
AC OUTPUT			
POWER (CONTINUOUS)	400W	1000W	2000W
POWER (PEAK)	800W	1600W	4000W
VOLTAGE/FREQUENCY	230VAC/ 50Hz	230VAC/ 50Hz	230VAC/ 50Hz
CURRENT	1.7A	4.3A	8.7A
WAVEFORM	True Sine Wave (<3% THD)	True Sine Wave (<3% THD)	True Sine Wave (<3% THD)
PEAK EFFICENCY	90%	90%	90%
AC RECEPTACLE	Euro, Australia, UK	Euro, Australia, UK	Euro, Australia, UK
DC OUTPUT			
5V USB Output	750mA	2.1A	2.1A
DC INPUT			
VOLTAGE (NOMINAL)	12.5Vdc	12.5Vdc	12.5Vdc
OPERATION RANGE	10.5 - 15.5Vdc	10.5 - 15.5Vdc	10.5 - 15.5Vdc
CURRENT (NO LOAD)	< 0.8A	<1.2A	<1.2A
DISPLAY PANEL			
INDICATOR	Power Fault	Status	
DIGITAL DISPLAY (LED)	Not Applicable	Input Voltage, Ouput Power, Warning & Error Code	
PROTECTION			
INPUT UNDERVOLTAGE SHUT-	10.5Vdc	10.5Vdc	10.5Vdc
INPUT OVERVOLTAGE SHUT-	15.5Vdc	15.5Vdc	15.5Vdc
REGULATORY COMPLIANCE			
MARKINGS	CE	CE	CE
CONFORMANCE	LVD,EMC	LVD,EMC	LVD,EMC
ENCLOSURE			
WEIGHT	1.7Kg	2.9Kg	5.5Kg
DIMENSION	175 x 200 x 89mm	185 x 319 x 90mm	240 x 420 x 115mm