

MERLIN SINEWAVE INVERTERS [12V]

This Merlin Sinewave Inverter silently converts 12v DC battery power to 230v AC mains electricity using pure sinewave technology to provide an interference-free output that is fully compatible with even the most sensitive AC appliances.

All Merlin Sinewave Inverters are rated for continuous output and feature low battery, overload, overheat, and shortcircuit protection. 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. 24V input models are available on request.

- **Pure sinewave output**
ensures interference-free operation with all electrical appliances.
- **High surge capability**
for starting inductive loads and those with electrical motors (such as vacuum cleaners and pumps).
- **Clean output**
with a Total Harmonic Distortion (THD) of less than 3% (better than normal mains power).
- **High quality design**
and manufacture process.



PART#	01-8032	01-8034	01-8035	01-8040
PARAMETER	400W MODEL	600W MODEL	1000W MODEL	2000W MODEL
AC OUTPUT				
AC OUTPUT POWER (CONTINUOUS)	400W	600W	1000W	2000W
AC OUTPUT POWER (PEAK)	800W	1200W	2000W	4000W
AC OUTPUT VOLTAGE/FREQUENCY	230VAC / 50 HZ	230VAC / 50 HZ	230VAC / 50 HZ	230VAC / 50 HZ
AC OUTPUT CURRENT	1.74A	2.6A	4.3A	4.3A
AC OUTPUT WAVEFORM	TRUE SINEWAVE (<3% THD)	TRUE SINEWAVE (<3% THD)	TRUE SINEWAVE (<3% THD)	TRUE SINEWAVE (<3% THD)
PEAK EFFICIENCY	89%	89%	89%	89%
AC RECEPTACLE	EURO, AUSTRALIA, UK	EURO, AUSTRALIA, UK	EURO, AUSTRALIA, UK	EURO, AUSTRALIA, UK
DC OUTPUT				
5V USB OUTPUT	NOT APPLICABLE	2.1A	2.1A	2.1A
DC INPUT				
VOLTAGE (NOMINAL)	12.5VDC	12.5VDC	12.5VDC	12.5VDC
OPERATION RANGE	10.5 - 15.5 VDC	10.5 - 15.5 VDC	10.5 - 15.5 VDC	10.5 - 15.5 VDC
CURRENT (NO LOAD)	< 0.8A	< 0.8A	< 1.2A	< 1.2A
PROTECTION				
INPUT UNDERVOLTAGE SHUTDOWN	10.5VDC	10.5VDC	10.5VDC	10.5VDC
INVERTER OVERVOLTAGE SHUTDOWN	15.5VDC	15.5VDC	15.5VDC	15.5VDC
DISPLAY PANEL				
INDICATOR	POWER / FAULT	POWER / FAULT	STATUS	
DIGITAL DISPLAY (LED)	NOT APPLICABLE	NOT APPLICABLE	INPUT VOLTAGE, OUTPUT POWER, WARNING, AND ERROR CODE	
IGNITION START	USE IGNITION START PORT	USE IGNITION START PORT	USE REMOTE PORT	USE REMOTE PORT
REGULATORY COMPLIANCE				
MARKINGS	CE	CE	CE	CE
CONFORMANCE	LVD, EMC	LVD, EMC	LVD, EMC	LVD, EMC
ENCLOSURE				
WEIGHT (KG)	1.1	2.1	2.7	5.2
DIMENSIONS (MM)	216 X 151 X 65	233 X 173 X 89	322 X 173 X 89	418 X 230 X 112