

# MERLIN AUTO CHANGEOVER INVERTERS

Merlin Auto Changeover Inverters provide the ability to automatically switch between shorepower as a source and onboard battery power as another.

If you wish to fit an inverter and also have shorepower, a method of selecting between them must be fitted. This can be a manual switch or remote transfer relay. Merlin Auto Changeover Inverters already have the transfer relay built in. When shorepower is available, the relay will allow power to bypass the inverter and feed the onboard ring main. As soon as shorepower is disconnected, the relay will allow inverter power to feed the ring main. It works in the same way as a UPS system.

- **Pure sinewave output**  
ensures interference-free operation with all electrical appliances.
- **Built-in automatic switching**  
between shorepower and inverter power.
- **Fast changeover time**  
ensuring that electrical appliances remain operational.
- **Built-in detachable remote panel**  
for easy control.



PART #	01-8051	01-8052	01-8053
PARAMETER	1000W MODEL	2000W MODEL	3000W MODEL
<b>AC OUTPUT</b>			
AC OUTPUT POWER (CONTINUOUS)	1000W	2000W	3000W
AC OUTPUT POWER (PEAK)	2000W	4000W	6000W
AC OUTPUT VOLTAGE/FREQUENCY	230VAC / 50HZ	230VAC / 50HZ	230VAC / 50HZ
AC OUTPUT CURRENT	4.3A	8.7A	13.0A
AC OUTPUT WAVEFORM	TRUE SINEWAVE (<3% THD)	TRUE SINEWAVE (<3% THD)	TRUE SINEWAVE (<3% THD)
PEAK EFFICIENCY	90%	90%	90%
AC RECEPTACLE	EURO, AUSTRALIA, UK	EURO, AUSTRALIA, UK	EURO, AUSTRALIA, UK
<b>DC OUTPUT</b>			
5V USB OUTPUT	2.1A	2.1A	2.1A
<b>DC INPUT</b>			
VOLTAGE (NOMINAL)	12.5VDC	12.5VDC	12.5VDC
OPERATION RANGE	10.5 - 15.5VDC	10.5 - 15.5VDC	10.5 - 15.5VDC
INVERTER STANDBY CURRENT	< 1.5A	< 1.5A	< 1.5A
<b>PROTECTION</b>			
INPUT UNDERVOLTAGE SHUTDOWN	10.5VDC	10.5VDC	10.5VDC
INVERTER OVERVOLTAGE SHUTDOWN	15.5VDC	15.5VDC	15.5VDC
<b>DISPLAY PANEL</b>			
INDICATOR	STATUS	STATUS	STATUS
DIGITAL DISPLAY (LED)		INPUT VOLTAGE, OUTPUT POWER, WARNING, ERROR	
IGNITION START		USE IGNITION START PORT	
<b>AC TRANSFER SWITCH</b>			
TRANSFER TIME	< 30MS	< 30MS	< 30MS
TRANSFER RELAY RATING	16A	16A	16A
<b>REGULATORY COMPLIANCE</b>			
MARKINGS	CE, E-MARK	CE, E-MARK	CE, E-MARK
CONFORMANCE	LVD, EMC	LVD, EMC	LVD, EMC
<b>ENCLOSURE</b>			
WEIGHT (KG)	4.9	5.8	6.9
DIMENSIONS (MM)	440 X 230 X 115	440 X 230 X 115	539 X 230 X 115