



MSU-MAK Solar Connected 1500W UPS

<http://www.mak-powersis.de/solar-charger-connected-ups-1500w.html>

True On line - Double Conversion Technology - Double Conversion Technology - Solar Charger On Board
 The Rating Battery / DC Input Voltage is 12V-90V - The Rating Battery / DC Input Voltage is 12V-90V
 Independent inverter microprocessor control system - Wide input voltage range 170-255V(L-N)
 "Wide Range Optional" - PV priority mode or AC priority mode or AC priority mode -
 Independent MPPT control microprocessor system
 Main and Output Frequency Always Synchronized SNMP, RS232, USB Computer Inter Phase "SNMP Optional"

Model	SU1500
Power Watt	1500W
Working Mode	PV (Photovoltaic Priority) AC / AC priority Optional
Battery Voltage	48V
Input Voltage Range	170 VAC- 255 VAC P+N+PE (Optional for Neutral) "155VAC – 270VAC Optional"
Input Voltage Frequency	45 Hz – 65Hz (When out of range / Automatically Inverter On)
Solar Charging	10A / 20A / 30A / 40A Optional 60 A
Solar Charging Efficiency	>%90
PV Voltage Rates	12V – 23VDC / 24V – 45VDC
Output Voltage Range	220 VAC or 230 VAC (%5)
Recovery	+/- 1 static, +3 dynamic at 100% load, 5 msn
Efficiency	Grid Mode %95
Output Frequency Range	50 Hz / 60Hz +/-0.01 % (Battery Mode)
Wave form distortion	Linear load < %5
Battery Backup	>10
PV-AC transfer time	5Ms typical value Max. 5 Ms.
Efficiency	Inverter Mode >80%
Inverter Overload	110% shutdown at 60s / 120% shutdown at 5s
No-Load off (Optional)	Load<5% The system automatically shut down at 1 Min. transfer to bypass power supply
Short circuit	Systems automatically shut down
Alarm	Mains abnormal = 1/4S, auto sound off after 40s + Low battery = 1/0.2s + Overload = 1/1s
Comm. Interface (Optional)	RS232 / USB / SNMP / (Setup available for regular start / shutoff)
Output sockets	Universal sockets 3 PCS / Customized
EMC	EN62040-2:2006;EA61000-3-2;2006; EA61000-3-3:2008
IP Class Temperature	IP20 / 0-40 Celsius Degree
Ambient humidity	10% - 90% (Non Condensed)
Noise	<50dB
Net Weight	22.10kg.
Dimensions mm (HxDxW)	475x200x937

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