



xunzel™

applied Solar and Wind Energy

PRODUCT
NOTE

MJ™ Series

MJ™ Series - XUNZEL XUNZEL Modified Sine Wave Power Inverter

Product Overview

- Convert all DC power available in the battery to household AC power
- Regulated output
- USB port 5V 500mA in 150W and 300W models
- Support double peak output power than nominal power in starting
- 2 indicator LEDs and ON/OFF switch
- 12V or 24V models
- Low battery alarm and shutdown to prevent total battery discharge
- Over temperature shutdown and short circuit and overload protections
- Easy to use and install
- DC battery cables included
- High-quality DC connectors to make installation easy
- Spare fuse included
- Isolation design between input and output for safety guarantee
- Lightweight. Anodized aluminium casing
- Ideal for Off-Grid and Off-Shore applications: telecom and CATV, traffic, agricultural, marine and caravan, cathodic protection, professional installations...

Available Models

- | | |
|--------------------|-------------------------------------------|
| MJ-150-12 | 12VDC / 1 x 230VAC 50Hz / 150W + USB 5VDC |
| MJ-150-12-R | 12VDC / 1 x 230VAC 50Hz / 150W + USB 5VDC |
| MJ-300-12 | 12VDC / 1 x 230VAC 50Hz / 300W + USB 5VDC |
| MJ-500-12 | 12VDC / 1 x 230VAC 50Hz / 500W |
| MJ-800-12 | 12VDC / 1 x 230VAC 50Hz / 800W |
| MJ-1200-12 | 12VDC / 2 x 230VAC 50Hz / 1200W |
| MJ-2000-12 | 12VDC / 2 x 230VAC 50Hz / 2000W |
| MJ-300-24 | 24VDC / 1 x 230VAC 50Hz / 300W + USB 5VDC |
| MJ-500-24 | 24VDC / 1 x 230VAC 50Hz / 500W |
| MJ-800-24 | 24VDC / 1 x 230VAC 50Hz / 800W |
| MJ-1200-24 | 24VDC / 2 x 230VAC 50Hz / 1200W |
| MJ-2000-24 | 24VDC / 2 x 230VAC 50Hz / 2000W |
- All models delivered with battery cables



MJ-150-12-R



with USB Charger



MJ-150-12
MJ-300-12
MJ-300-24



MJ-500-12 / MJ-500-24



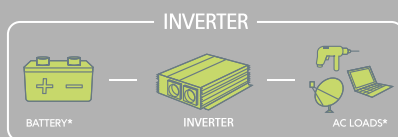
MJ-800-12 / MJ-800-24



MJ-1200-12 / MJ-1200-24



MJ-2000-12 / MJ-2000-24



*Not included

Industry Leading Technology for Off-Grid, Off-Shore and Backup Power Applications



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MJ™ Series

Specifications



MJ-I50-I2-R



MJ-I50-I2
MJ-300-I2
MJ-300-24



MJ-500-I2
MJ-500-24



MJ-800-I2
MJ-800-24



MJ-I200-I2
MJ-I200-24



MJ-2000-I2
MJ-2000-24

Specifications	MJ-I50-I2 MJ-I50-I2-R	MJ-300-I2 MJ-300-24	MJ-500-I2 MJ-500-24	MJ-800-I2 MJ-800-24	MJ-I200-I2 MJ-I200-24	MJ-2000-I2 MJ-2000-24
Inverter						
AC Output Power	150W	300W	500W	800W	1200W	2000W
AC Surge Power (Peak)	300W	600W	1000W	1600W	2400W	4000W
AC Output Voltage	230 Volts CA 50Hz	230 Volts CA 50Hz	230 Volts CA 50Hz	230 Volts CA 50Hz	230 Volts CA 50Hz	230 Volts CA 50Hz
AC Output Waveform	Modified Sinewave	Modified Sinewave	Modified Sinewave	Modified Sinewave	Modified Sinewave	Modified Sinewave
AC Output Socket (2P+TT -schuko CEE 7/4)	1 pc	1 pc	1 pc	2 pc	2 pc	2 pc
Peak efficiency	85-90%					
Nominal DC battery	12 VDC 12 VDC	12 VDC 24 VDC	12 VDC 24 VDC	12 VDC 24 VDC	12 VDC 24 VDC	12 VDC 24 VDC
Low voltage alarm	10.5 VDC ± 0.5 VDC 10.5 VDC ± 0.5 VDC	10.5 VDC ± 0.5 VDC 21 VDC ± 0.5 VDC	10.5 VDC ± 0.5 VDC 21 VDC ± 0.5 VDC	10.5 VDC ± 0.5 VDC 21 VDC ± 0.5 VDC	10.5 VDC ± 0.5 VDC 21 VDC ± 0.5 VDC	10.5 VDC ± 0.5 VDC 21 VDC ± 0.5 VDC
Low voltage shutdown	10 VDC 10 VDC	10 VDC 20 ±0.5 VDC	10 VDC 20 ±0.5 VDC	10 VDC 20 ±0.5 VDC	10 VDC 20 ±0.5 VDC	10 VDC 20 ±0.5 VDC
Thermal Protection	65°C ± 5 °C					
USB load Output 	5VDC, 500mA	5VDC, 500mA	—	—	—	—
Safety and Environmental						
Conformance	CE EMC & LVD					
Markings	CE					
Weight and dimensions						
Weight	550 gr 530 gr	700 gr	1.4 Kg	2.3 Kg	3.2 Kg	5.2 Kg
Dimensions (mm)	150 x 108 x 51 190mm, ø70mm	150 x 108 x 51	213 x 200 x 70	284 x 220 x 70	284 x 254 x 78	344 x 254 x 78
Recommended Battery Capacity ≥	30Ah	60Ah	100Ah	160Ah	240Ah	400Ah
Minimum recommended battery capacity	15Ah	30Ah	50Ah	80Ah	120Ah	200Ah



XU-2611215-AH

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