

## MJC™ Series



INVERTER + CHARGER  
MODIFIED WAVE ISLANDERS 1200W/12V  
12VDC TO 230VAC INVERTER AND 12VDC  
BATTERY CHARGER

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12VDC to 230VAC inverter and 12VDC battery charger

### Product Overview

ISLANDERS modified waveform inverter/charger, MJC1200, transforms 12V DC in 230V AC so you can use in little appliances, drills or other tools.

Furthermore, it allows to recharge and maintain batteries always full from mains thanks to 3 steps (rapid charge, absorption and maintenance) automatic charging system (for 12V batteries from 75Ah up to 300Ah).

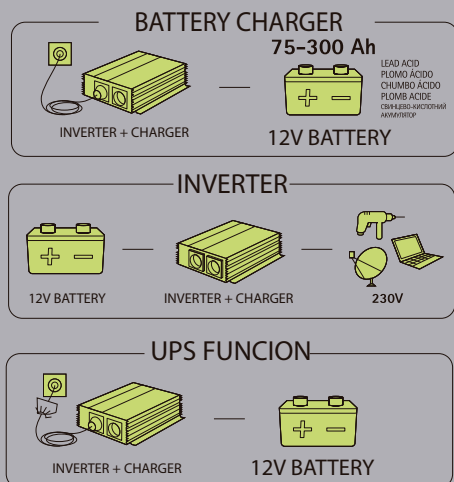
ISLANDERS MJC1200 inverter/charger can be used as UPS (Uninterruptible Power Supply). If there is a blackout, inverter charges items from the battery instead of the mains. When power returns, automatically recharges from mains again.

### Available Models

MJC1200 12VDC/2x230VCA 50Hz – 1200W

### Features and Benefits

- **Output regulation**
- **Low voltage alarm** and shutdown to prevent over-discharge.
- **LED indicators integrated** for a safe operation.
- **Auto-switching** down against over-temperature.
- **Include** battery connection cable for an easy and safe installation.
- **Lightweight** with anodized aluminum casing.



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



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### Specifications

| Specifications               | MJC1200                |
|------------------------------|------------------------|
| <b>INVERTER</b>              |                        |
| Rated power – Peak Power     | 1200W - 2400W 12VDC    |
| DC input                     | 12VDC (10-15V)         |
| Output                       | 230VAC                 |
| Socket                       | 2x 2P+TT               |
| Efficiency                   | 85≈90 %                |
| Low battery voltage alarm    | 10.5V ± 0.5V DC        |
| Low battery voltage shutdown | 10V ± 0.5V DC          |
| Stand-by current             | ≤ 0.6 A                |
| Thermal protection           | 65°C ± 5°C             |
| Overload protection          | Shutdown and alarm     |
| Short-circuit protection     | Yes                    |
| Battery connector            | Crimped cables         |
| Weight                       | 3.9 Kg.                |
| Dimensions (L x W x H)       | 36,5 x 24,2 x 7.6 cm   |
| Starting technology          | Soft-Start             |
| Wave form                    | Modified wave          |
| <b>CHARGER</b>               |                        |
| UPS automatic function       |                        |
| Charge power                 | 10.000 mA              |
| AC input                     | 220 - 240VAC           |
| DC Output                    | 12VDC - 10A            |
| Charge type (automatic)      | 3 steps                |
| Bulk                         | Fast charge            |
| Absortion                    | Charge up to 100%      |
| Float                        | Indefinite maintenance |
| Battery range                | 75 to 300Ah/12V        |
| Minimum start voltage        | 4,5V                   |



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12VDC TO 230VAC INVERTER AND 12VCC  
BATTERY CHARGER

IS-2006216-GAH



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Series

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