

# ROSIE INVERTER/CHARGER

***The new Rosie Inverter/Charger is an exciting addition to the family of MidNite Solar Inverters!***

The Rosie is the most versatile inverter/charger in its class. Ideal for medium renewable energy systems.

## PRODUCT FEATURES

- Provides 120 or 120/240VAC output in one unit
- 7000 watts / 48 volt DC
- 120 amp charger
- 2 aux input/outputs
- True sine wave inverter with charger
- Listings: UL1741, UL458 & CSA
- Screened (gecko/mud dauber proof)
- Quiet forced air cooling over heat-sink fins and transformer compartment
- SOC monitoring with MidNite Wizbang Jr. and MNGP2
- Die cast aluminum enclosure
- Auto gen start (two-wire generators)
- Battery Temperature Sensor (option)
- Remote battery voltage sensor
- Canbus communications
- Weight: 43 Lbs.
- E-panel: 20 Lbs.
- Built in Arlington, WA USA

**Add on a Rosie E-Panel (comes with required AC and DC input breakers, includes inverter bypass breakers)**



*The Rosie showing optional E-Panel, SPDs and Classic MPPT Charge Controller*

***Designed and Assembled  
in the USA***

***using as many American  
components as feasible!***

# ROSIE INVERTER/CHARGER

## PRODUCT SPECIFICATIONS

### Inverter AC Output

|                                          |                                                 |
|------------------------------------------|-------------------------------------------------|
| Output power (continuous) at 25°C        | 7000VA                                          |
| Overload 30 min sec at 25°C              | 8400VA                                          |
| Output power (continuous) at 40°C        | 6000VA                                          |
| Maximum output current 60 seconds (rms)  | 60A                                             |
| Maximum surge                            | 15,000VA                                        |
| Output frequency / voltage               | 60Hz/Output voltage 120 or 120/240VAC           |
| Total harmonic distortion at rated power | <5%                                             |
| Consumption                              | 30 Watts without search and 7 watts with search |
| Input DC voltage range                   | 40 to 65VDC                                     |

### Charger DC Output

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Maximum output charge current   | 120 Amps                              |
| Charge control                  | Two or Three stage charging           |
| Charge temperature compensation | Yes, with optional BTS                |
| Power factor corrected charging | Yes                                   |
| Compatible battery types        | Flooded, Lithium, AGM, Gel and others |

### AC Input

|                          |                                                                     |
|--------------------------|---------------------------------------------------------------------|
| AC 1 input current       | 60 amp transfer relay internal                                      |
| Typical transfer time    | NOT APPLICABLE, Loads are always powered, AC In is opened or closed |
| AC input voltage limits  | 82 to 140VAC                                                        |
| AC input frequency range | 48 to 72 Hz                                                         |
| Grid/Generator support   | Yes                                                                 |

### Efficiency

|                   |     |
|-------------------|-----|
| Full output power | 95% |
|-------------------|-----|

### General Specifications

|                                           |                                |
|-------------------------------------------|--------------------------------|
| Part numbers (See below)                  | MNROSIE7048RE and MNROSIE7048M |
| Product/shipping weight                   | 43/48 pounds                   |
| Product dimensions in inches (W x L x D)  | 13-15/16 W x 20-9/16L x 8D     |
| Shipping dimensions in inches (W x L x D) | 18 W x 23-1/4 L x 12-1/4D      |
| IP degree of protection                   | NEMA type 1 indoor rated       |
| Operating ambient temperature range       | -20C to 60C                    |

### Features

- System monitoring - Future Communications Box
- Remote Battery Voltage Sense
- Intelligent features – Peak Load shave, Grid or Generator support, Self Consumption and UPS
- Auxiliary port – 2 ports that supply 200mA at 12VDC
- Regulatory Approval Safety – UL1741, CSA 107.1 and UL458
- Accessories – ROSIE E-PANEL, MNGP2 display, MNHAWKE'S BAY, MNBCLNA

NOTE: MNROSIE7048RE is for home/office, MNROSIE7048M is for RV/Marine

