

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!*

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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%
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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

