



Site Battery Backup Systems

Rack Mount Inverters

Newmar Rack Mount Telecom Inverters will provide reliable 115 VAC pure sine wave power for seamless back-up power from 48V site batteries.


- Continuous duty rated full output wattage maintained even during extended power outages
- User-friendly Status and Diagnostic LCD/LED displays
- Remote Power Management through available software and RS-232 port
- Easily cascaded for N+1 redundancy, providing maximum reliability required by data centers
- Utility bypass function with fast load transfer switch
- Numerous circuit and load protections, over-current, over-temp, overload, reverse polarity, high/ low battery voltage
- Adapts for 19" or 23" racks; occupies only 2 RU (3.5")
- Form C alarm contacts for monitoring AC "Fault" and "DC Abnormal" conditions
- UL and cUL listed

Item# Qty/Uom	Manufacturer P/N / Warranty	Input (VDC) Output (VAC)	Watts (Continuous) Watts (Intermittent)	Wt. (lbs) Wgt. (kg.)
	NewMar 48-2000RM 2 years	40-60 100-120	800 800	22.20 10.09
	NewMar 48-2000RM 2 years	40-60 100-120	1600 1600	23.35 10.61

Trace Modified Sine Wave Inverters

Combining ultra-high efficiency and economy, the Trace UX Series inverter is ideal for home, office, light industrial and remote power applications of between 500 and 1400 watts. And you'll find plenty of options in these most dependable power inverters.

- Modified Sine Wave Output
- Up to 92% efficient. Consumes 1/2 wave under no-load conditions
- Never overcharges or overheats batteries, maintains a full charge
- 16 millisecond transfer time

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	SunWize Technologies Inc. UX612SB 2 years	12 120	400 N/A	21.55 9.80

...closing the gap

DC-DC Converters

BAP550 Series 5,500 Watt

- Easy customizing, short delivery
- Single or multiple output
- Up to 5,500W output power
- Full electronic protection
- Telecom quality
- Field-proven design
- N+1 redundancy available



The BAP5500 Series of DC/DC converters was specifically designed to enable any input/output voltage combination up to a maximum of 5,500W. Higher output power can be achieved by connecting shelves in parallel. The built-in fan provides sufficient airflow for operation without de-rating up to 50°C. The BAP5500 features full electronic protection, high efficiency and low output noise. The use of high quality components and rigorous quality control results in very high reliability.

The modular design of the BAP5500 provides a cost-efficient solution, at any quantity, for a wide range of applications, and allows for short lead times, even for highly-custom projects. The fully-loaded shelves can hold up to seven BAP750 modules, and each of them can be separated by a redundancy diode. The failure of one module, which would be signaled by a built-in alarm, would only cause a 1/7 loss of power from the fully assembled shelf. Multiple-output versions can be easily achieved.

SPECIFICATIONS

Input Voltage

Any DC input from 24V to 400VDC with 24V, 48V, 125V, 250V and 360VDC $\pm 15\%$ standard. Consult factory for other inputs.

Input Protection

Thermal Fuse
Inrush current limiting

Isolation

1000VDC input to chassis
1000VDC input to output
500VDC output to chassis

Full compliance to IEC950, CSA 22-2-950 and UL 1950

Output Voltages

Virtually any DC output from 12V to 800VDC

Line/Load Regulation

$\pm 1\%$ to $\pm 2\%$ combined depending on output voltage

Output Overvoltage Protection

Double regulator loop

Overload Protection

Current limiting with short circuit protection
Self-resetting thermostat for thermal protection

Efficiency

75 - 94% depending on Input/Output combination

EMI Suppression

Meets EN 55022 Class A emissions as a minimum

Output Ripple/Noise

Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20HZ BW)

Operating Temperature

0 to +50°C. Extended temperature range available

Temperature Drift

0.03% per °C over operating temperature range

Alarm Output:

Module fail alarm option

Package Size

3Ux19" rack-mount frame
16" deep

Connections:

Screw type terminal blocks.
Other connectors according to customer requirements.