

# ULTRA-LIGHTWEIGHT RUGGED GALAXY™ SERIES DC-AC INVERTER

COMPACT BULKHEAD MOUNT CHASSIS

2 - 5KVA OUTPUT POWER

270 VDC NOMINAL WIDE RANGE INPUT

OPTIONAL SNMP COMMUNICATIONS

*WHEN EVERY POUND COUNTS!*



## APPLICATIONS

Utilizing field proven fully isolated topology, this family of rugged Inverters is suitable for harsh environments and can be customized for unique applications including:

- Shelters
- Tactical Systems
- Shipboard power
- Servers
- MIL-STD-810
- MIL-S-901
- HMMWVs
- Mobile Systems
- Ground support
- Submarines
- MIL-STD-461
- MIL-STD-167



**NOVA ELECTRIC**

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A Leader in DC-AC Inverter Technology since 1966 - 500VA to 500+KVA

MADE IN USA

# ULTRA-LIGHTWEIGHT PURE SINEWAVE DC-AC INVERTER

MEETS MIL-STD-810, MIL-STD-167, MIL-S-901, MIL-STD-740, & MIL-STD-461

## APPLICATIONS

The rugged Ultra Lightweight Galaxy Series Inverter is designed to provide years of reliable service in harsh shock, vibration, humidity, and EMI environments. Applications include Submarine, Shipboard, HMMVW, UAV, Shelter, and Mobile Power Units.

## OPTIONS

- 400 Hz Output
- High IP Protection for Intake / Exhaust fans (typically IP32)
- AUX DC Outputs
- Ruggedization against high shock, vibration and humidity
- MS connector mates and multiple output outlets
- Chassis Slide Guides
- Electromechanical transfer switch
- Custom Enclosures
- CAD Free Connectors
- Non-PVC wiring
- Rack mounting
- Output Volt & Amp meters
- Output frequency meters
- Elapsed time meter
- Shock mounts
- Floor mount feet

## ELECTRICAL SPECIFICATIONS

Input Voltage: 270 VDC Nominal, 180-355 VDC Operating Range (other ranges available)  
 Output Voltage: 120, 208, or 230 VAC (specify)  
 Frequency: 50 / 60 / 400 Hz. Available  
 Voltage Regulation:  $\pm 2\%$  NL to FL  
 Frequency Regulation:  $\pm 0.5\%$  NL to FL  
 Harmonic Distortion: 5% THD, 3% typical  
 Input Power Factor: 0.95 or Better @ half-full load (except 3 phase input models)  
 Efficiency at full load: 85% @ full load typical  
 Connections: MS Connector (mates optional)

## NOMINAL DIMENSIONS

30"H x 24"W x 12"D

## OPTIONAL INDICATORS

Status (Red / Green)  
 Inverter Off (Red)  
 Logic Fault (Red)  
 Over Temperature (Red)  
 Load on Utility (Red) Optional with transfer switch

## ENVIRONMENTAL SPECIFICATIONS

UPS Operating Temp.: -20° to +55°C  
 (Extended ranges optional - Consult factory)  
 UPS Storage Temp. Range: -40° to +71°C  
 Humidity: to 95% non-condensing  
 Elevation: 15,000 Ft. (4,572m) operating;  
 40,000 ft. (12,192m) non-operating  
 Shock: 20g for 11mS  
 Audible Noise: Less than 55 dbA at 5 ft.

## OPTIONAL REMOTE CONTACTS/COMMUNICATIONS

SNMP V1.0 via CAT-5 Connector  
 Major Alarm: Logic Fault, Overtemperature, Overload  
 Minor Alarm: Utility Off  
 RS 232 (Available-Optional) Via DB 9 Connector  
 Alarm Contacts(Available-Optional)

## OPTIONAL PROTECTIVE FEATURES

AC Output Circuit Breaker and Audible Alarm with Silence Switch

## PARTIAL MODEL SELECTION

### 120 VAC OUTPUT MODELS

MODEL	OUTPUT VAC	OUTPUT FREQUENCY	CONTINUOUS OUTPUT POWER	WEIGHT LBS.
GLH2K60-270	120 VAC	60 Hz	2KVA	150
GLH3K60-270	120 VAC	60 Hz	3KVA	150
GLH4K60-270	120 VAC	60 Hz	4KVA	150
GLH5K60-270	120 VAC	60 Hz	5KVA	150

### 220 VAC OUTPUT MODELS

MODEL	OUTPUT VAC	OUTPUT FREQUENCY	CONTINUOUS OUTPUT POWER	WEIGHT LBS.
GLH2K50-270(220)	220 VAC	50 Hz	2KVA	150
GLH3K50-270(220)	220 VAC	50 Hz	3KVA	150
GLH4K50-270(220)	220 VAC	50 Hz	4KVA	150
GLH5K50-270(220)	220 VAC	50 Hz	5KVA	150

