

# RUGGED GALAXY™ SERIES TRUE ON-LINE UPS 5 - 6KVA



## APPLICATIONS

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

- Shelters
- Tactical Systems
- Shipboard Power
- MIL-STD-810
- MIL-STD-901
- HMMWVs
- Mobile Systems
- Ground support
- MIL-STD-461
- MIL-STD-167



**NOVA ELECTRIC**  
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A Leader in UPS Technology since 1966 - 500VA to 500+KVA

MADE IN USA

# TRUE ONLINE RUGGED SINEWAVE UPS

CAN MEET MIL-STD-810, MIL-STD-1399, MIL-STD-901, MIL-STD-704, & MIL-STD-461 OPTIONALLY

## APPLICATIONS

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

## OPTIONS

- Emergency Power Off Circuit
- MS Connector Mates
- Chassis Slides Guides
- Internal Solid State Transfer Switch
- Premium 10 Year Life Wide Temperature Range Batteries
- RS232 or SNMP
- Run Time to 24+ Hours
- Three Phase Input
- Custom Cabinets & Turnkey Solutions
- Rail Frequency Hz - 83, 91.66, 100, 200, or 250 Hz.

## SPECIFICATIONS

### ELECTRICAL

Frequency: Specify 50, 60, or 400Hz  
 Voltage Regulation:  $\pm 1\%$  NL to FL  
 Frequency Regulation:  $\pm 0.5\%$  NL to FL  
 Harmonic Distortion: 5% THD  
 Power Factor: 0.7 lead to 0.7 lag  
 Efficiency at full load: 75-80% typical  
 Overload: 125% for 5 minutes

### EXTERNAL BATTERIES

7" High x 19" Wide x 21" Deep Rack  
 Mount battery drawers containing sealed, maintenance-free, user replaceable batteries rated for 3-5 years lifetime. Battery cabinets and racks also available with run time from 5 minutes to 24+ hours.

### ENVIRONMENTAL

Operating Temp.:  $-20^{\circ}$  to  $+50^{\circ}$ C  
 Storage Temp. Range:  $-20^{\circ}$  to  $+50^{\circ}$ C (extended range available)  
 Humidity: to 95% non-condensing  
 Elevation: 15,000 Ft. (4,572m) operating; 40,000 ft. (12,192m) non-operating  
 Shock: 20g/11mS  
 Audible Noise: Less than 55 dbA at 5 ft.

### DIAGNOSTICS

Alarm Contacts: Standard  
 RS 232 or SNMP: Optional

### PROTECTIVE FEATURES

AC & DC Input Circuit Breakers, Low Battery Shut Off, Overload & Thermal Protected, Input Under/Overvoltage Protected, Audible Alarm with Silence Switch.

## MODEL SELECTION

MODEL	KVA	INPUT	INPUT AMPS	OUTPUT	UPS LBS.	BATTERY	STD. RUN TIME	BATTERY LBS.
GRS11-5K60-120-120	5	120VAC	66 A	120 VAC, 60 Hz	200	PC5K-84-2	10 Min.	225
GRS11-5K50-220-220	5	220VAC	39 A	220 VAC, 50Hz	200	PC5K-156	11 Min.	188
GRS11-5K400-115-115	5	115 VAC	66 A	115 VAC, 400 Hz	200	PC5K-84-2	10 Min.	225
GRS11-5K60-120/208-120	5	120/208 VAC	23 A	120 VAC, 60 Hz	200	PC5K-168	12 Min.	225
GRS11-6K60-120-120	6	120VAC	79 A	120 VAC, 60 Hz	225	PC6K-84-2	8 Min.	225
GRS11-6K50-220-220	6	220VAC	47 A	220 VAC, 50Hz	225	PC6K-156	9 Min.	188
GRS11-6K400-115-115	6	115 VAC	79 A	115 VAC, 400 Hz	225	PC6K-84-2	8 Min.	225
GRS11-6K60-120/208-120	6	120/208 VAC	28 A	120 VAC, 60 Hz	225	PC6K-168	10 Min.	225

### NOTES:

- ALL DIMENSIONS ARE IN INCHES.
- EXTERIOR COLOR ANSI #61 GRAY.

## TYPICAL 5-6 KVA UPS CHASSIS

