

# RUGGED GALAXY™ SERIES TRUE ON-LINE UPS 1 - 1.5 - 2KVA



## 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-1399



**NOVA ELECTRIC**  
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A Leader in UPS Technology since 1966 - 500VA to 300KVA

MADE IN THE 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

- 400 Hz Input and/or Output
- MS Connector Mates
- Chassis Slides
- Internal Solid State Transfer Switch
- Premium 10 Year Life Wide Temperature Range Batteries
- True RS-232 Interface Port
- Run Time to 24+ Hours
- Three-Phase Input
- Custom Cabinets & Turnkey Solutions

## 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

### INTERNAL BATTERIES

Sealed, maintenance-free and user replaceable. 3-5 years lifetime.

### PROTECTIVE FEATURES

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

### ENVIRONMENTAL

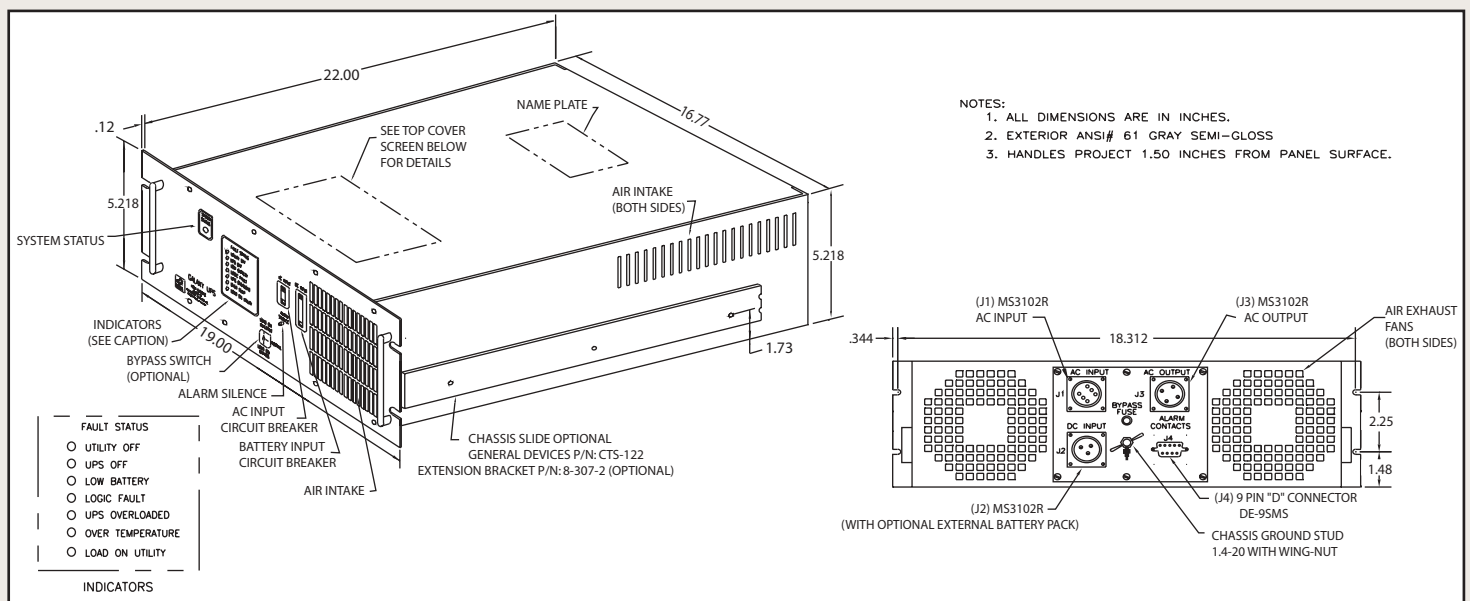
Operating Temp.:  $-20^{\circ}$  to  $+50^{\circ}$ C  
 Storage Temp. Range:  $-40^{\circ}$  to  $+60^{\circ}$ C  
 Humidity: to 95% non-condensing  
 Elevation: 15,000 Ft. (4.572m) operating;  
 40,000 ft. (12.192m) non-operating  
 Shock: 30g for 20mS  
 Audible Noise: Less than 55 dbA at 5 ft.

### ALARMS & DIAGNOSTICS

System Status (Green/Red)  
 Utility Off (Red)      UPS Overload (Red)  
 UPS Off (Red)      Over Temp. (Red)  
 Low Battery (Red)      Load On Utility (Red)  
 Logic Fault (Red)      (with SST Option)  
 Alarm Contacts: Standard  
 RS 232: Optional

## MODEL SELECTION

PARTIAL MODEL SELECTION	KVA	INPUT	OUTPUT	UPS LBS	RUN TIME
GRSL11-1K60-120-120	1	120 VAC	120 VAC	90	15 MIN.
GRSL11-1K50-220-220	1	220 VAC	220 VAC	90	15 MIN.
GRSL11-1K60-120/240A-120	1	120/240 Auto	120 VAC	109	15 MIN.
GRSL11-1.5K60-120-120	1.5	120 VAC	120 VAC	100	10 MIN.
GRSL11-1.5K50-220-220	1.5	220 VAC	220 VAC	100	10 MIN.
GRSL11-1.5K60-120/240A-120	1.5	120/240 Auto	120 VAC	119	10 MIN.
GRSL11-2K60-120-120	2	120 VAC	120 VAC	110	5 MIN.
GRSL11-2K50-220-220	2	220 VAC	220 VAC	110	5 MIN.
GRSL11-2K60-120/240A-120	2	120/240 Auto	120 VAC	129	5 MIN.



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