

## ADVANCED FEATURES

- ❑ Automatic DC offset
- ❑ Totally Modular Design
- ❑ Two Stage Battery Charger
- ❑ Input Inrush Current Control
- ❑ Synchronized PFC Modules
- ❑ Efficiency exceeding 80%

# RUGGED NAVY GALAXY™ SERIES

## TRUE ON-LINE UPS

POWER FACTOR CORRECTED  
&  
GALVANICALLY ISOLATED

**1.5KVA & 2.5KVA**

19" RACK MOUNT 3U HIGH



## APPLICATIONS

This rugged UPS is specifically designed for submarine and shipboard applications in compliance to MIL-STD-1399, MIL-STD-461, MIL-STD-901, MIL-STD-167, MIL-STD-810, and MIL-STD-740. It provides very high quality pure sinewave output (2% THD) and is capable of driving non-linear loads such as non-PFC Switching Power Supplies.



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

MADE IN USA

# ADVANCED TRUE ONLINE RUGGED SINEWAVE UPS

ACCEPTS 3Ø 115VAC L-L DELTA 50 / 60Hz INPUT

DELIVERS GALVANICALLY ISOLATED 1Ø 115VAC 50, 60 OR 400 Hz OUTPUT

Designed to comply with MIL-STD-1399, MIL-STD-461, MIL-STD-167, MIL-STD-810, MIL-STD-901 and MIL-STD-740.

## APPLICATIONS

This Power Factor Corrected Shipboard / Submarine Grade UPS is specifically designed and tested for Naval Applications where MIL-STD-1399 power requirements apply. This UPS contains many advanced features, yielding superior performance and reliability.

## OPTIONS

- Single Phase Input
- RS 232 or SNMP Interface
- Monitoring Software
- Chassis Slides
- MS Connector Mates
- High Speed Mechanical Transfer Switch
- Custom Paint & Markings

## ELECTRICAL

Optional Input Voltages available (select):  
115, 120, 208, 220, 230, 240 VAC. 1Ø  
115/200, 120/208, 220/380 3Ø  
Optional Input Frequencies available (specify):  
50, 60 or 400 Hz  
Optional Output Voltages Available (specify):  
115, 120, 208, 220, 230, 240 VAC 1Ø  
Output Frequency (specify): 50, 60 or 400Hz  
Voltage Regulation: ± 2% NL to FL  
Frequency Regulation: 0.1%  
Harmonic Distortion: 2% THD Typical  
5% Max  
Input Power Factor: 0.99  
Efficiency at full load: 82% typical  
Overload: 125% for 5 minutes

## INTERNAL BATTERIES

Premium 10 year life wide temp batteries which are sealed, maintenance- free, and user replaceable

## PROTECTIVE FEATURES

AC & DC Input Circuit Breakers, Low Battery Shut Off, Overload & Thermal Protection, Audible Alarm with Silence Switch, and EPO.

## ENVIRONMENTAL

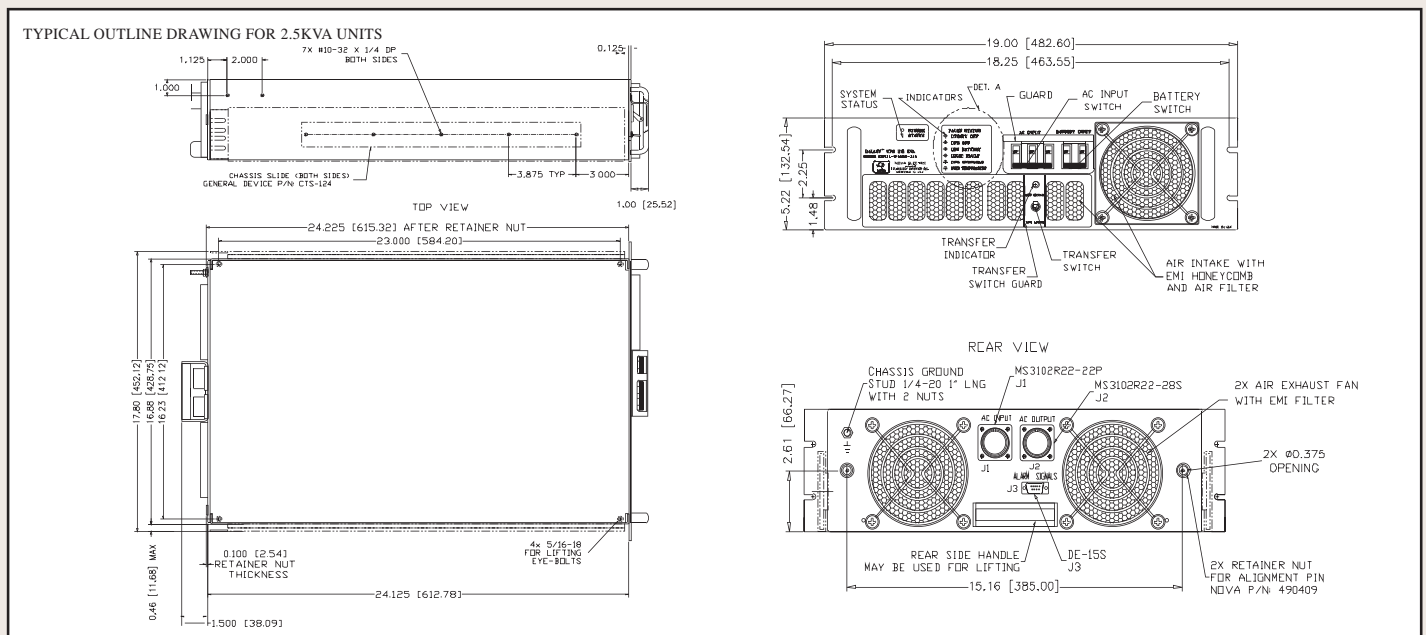
Operating Temp: -20° to +50°C per MIL-STD-810D  
Storage Temp Range: -40° to +71°C  
Humidity: to 95% non-condensing  
Elevation: 15,000 Ft. (4,572m) operating  
40,000Ft(12,192m) non-operating  
Audible Noise: Less than 55 dbA at 5 ft.  
Cooling: Forced air (exhaust at rear) Airflow 200 CFM Maximum  
EMI: per MIL-STD-461B/E  
Vibration: per IEC 68-2-6 Type I  
Shock: 20g for 20ms half sinewave per MIL-STD-901C Grade A  
Structureborne noise: MIL-STD-740B Grade A  
MTBF: 100,000+ hours per field data  
MTTR: 30 minutes

## 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 XFR SW Option)  
Alarm Contacts: Standard  
RS 232 or SNMP: Optional

## MODEL SELECTION

| PARTIAL MODEL SELECTION  | KVA | INPUT       | OUTPUT  | UPS LBS | RUN TIME |
|--------------------------|-----|-------------|---------|---------|----------|
| NGRS11-1.5K60-115-115    | 1.5 | 115 VAC     | 115 VAC | 115     | 10 min   |
| NGRS11-1.5K60-115(D)-115 | 1.5 | 115 VAC L-L | 115 VAC | 115     | 10 min   |
| NGRS11-2.5K60-115-115    | 2.5 | 115 VAC     | 115 VAC | 125     | 10 min   |
| NGRS11-2.5K60-115(D)-115 | 2.5 | 115 VAC L-L | 115 VAC | 125     | 10 min   |



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ISO 9001