



NOVA ELECTRIC



STANDARD FEATURES

- Compact 19" Rack Mount Chassis
- Mounting Feet for Freestanding Tower Configuration Optional
- Lightweight Design
- Power Factor Corrected
- 5.5" Color LCD Touch Screen Interface
- Configurable for Three-Phase Input and Output or Three-Phase Input / Single-Phase Output

CONTACT

100 School Street,
Bergenfield, NJ 07621 USA

(201) 385-0500

novaelectric.com
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NEHRL11 Series 15 KVA / 15 KW Rack Mount True Online COTS UPS



19" Rack Mount Configuration



Freestanding Mounting Feet Included

The Leader In Rugged Power Conversion Technology Since 1966

Rev B-October-16-2020



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NSF ISO9001:2015
NSF-15R

GENERAL OVERVIEW

Nova Electric's NEHRL11-Series double conversion True Online UPS is fully controlled by advanced DSP technology. These units pack a full 15 KVA / 15 KW worth of power into a lightweight, very compact form factor. The chassis can be mounted in a standard 19" EIA rack, or installed as a tower with the included mounting feet. The design can be configured for three-phase input and output, or three-phase input / single-phase output. Advanced power factor correction is included.

Typical Applications Include:

- Internet Data Centers
- Network Servers and Work Stations
- Control Systems
- Communication Systems
- Office Applications

FEATURES

Rack Design

Rack design, compatible with 19" standard rack cabinet, convenient to be integrated with servers.

Friendly Interface

5.5" touch color LCD with graphic display, more information is displayed and it is easier for the customer to operate.

Flexible Configuration

The system can be configured to 3 phase in/out or 3 phase in single phase out

Intelligent Charging Management

The system intelligently controls the whole process of charging and discharging the battery, effectively improving the life expectancy of the battery.

BATTERY DRAWER

The NEHRL-BP-240 matching Battery Pack contains 4 front panel pull out trays which each hold 10 high rate 9AH VRLA batteries. The overall battery assembly contains two rear mounted circuit breakers, and two rear mounted connectors to connect to the UPS.



NEHRL-BP-240

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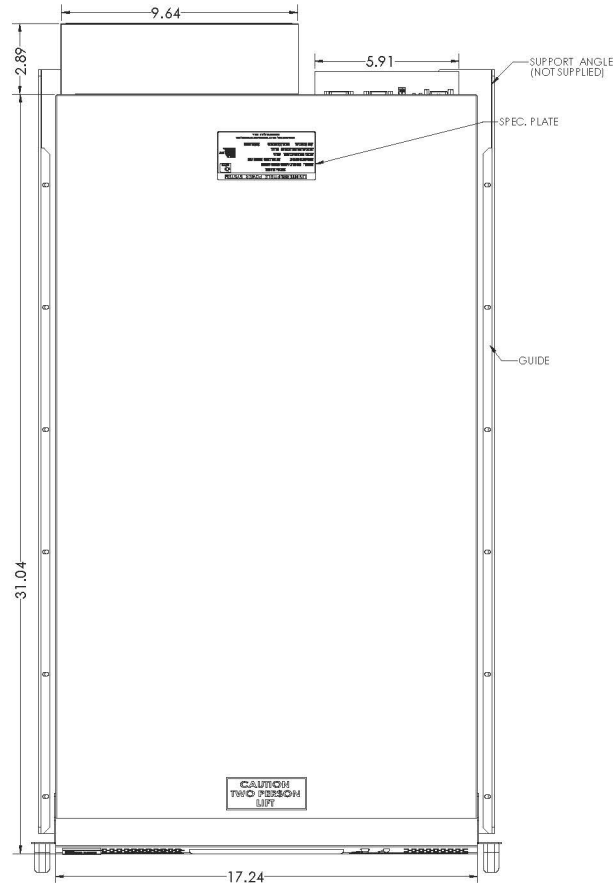
SPECIFICATIONS

MODEL (TYPICAL)	NEHRL11-15K3/6-120/208-120/208
CAPACITY	15 kVA / 15 kW
MAIN	
INPUT	3P + N + PE
NOMINAL VOLTAGE	200 / 208 / 220 VAC (Line to Line)
NOMINAL FREQUENCY	50 / 60 Hz
INPUT VOLTAGE RANGE	166 ~ 261 VAC (Line to Line), Full Load; 125 V ~ 166 VAC (Line to Line), Derate from 75% to 100% Load
INPUT FREQUENCY RANGE	40 Hz ~ 70 Hz
INPUT PF	> 0.99
INPUT THDI	< 3% (100% Linear Load)
BYPASS	
NOMINAL VOLTAGE	200 / 208 / 220 VAC (Line to Line)
NOMINAL FREQUENCY	50 / 60 Hz
INPUT VOLTAGE RANGE	Settable, -40% ~ +25%
BYPASS FREQUENCY RANGE	Settable, ± 1 Hz, ± 3 Hz, ± 5 Hz
BYPASS OVERLOAD	110%, Long Time; 125%, 5 Min; 150%, 1Min; >150%, 1s
OUTPUT	
NOMINAL VOLTAGE	200 / 208 / 220 VAC (Line to Line)
NOMINAL FREQUENCY	50 / 60 Hz
OUTPUT PF	1
OUTPUT THD	<1%, Linear Load; <6%, Non-Linear Load (IEC/EN62040-3)
INVERTER OVERLOAD	110 % for 1 Hour; 125% for 10 Min; 150% for 1 Min; >150% for 200 ms
BATTERY	
BATTERY NUMBER	± 120 VDC
CHARGING ACCURACY	1%
CHARGING CAPACITY	up to 20% *Output Power
BATTERY COLD START	Yes
RUN TIME ON BATTERY	4 Minutes at 15 KW / 12.5 Minutes at 7.5 kW Load (25°C)
EFFICIENCY	
AC MODE	> 96.0%
BATTERY MODE	>95.5%
SYSTEM	
DISPLAY	LED + LCD Touch Screen
INTERFACE	RS232, RS485, Programmable Dry Contact
OPTION	SNMP Card, Parallel, SPD
ENVIRONMENT	
OPERATION TEMPERATURE	0 ~ 40°C
STORAGE TEMPERATURE	-40 ~ 70°C
RELATIVE HUMIDITY	0 ~ 95% Non Condensing
NOISE (1 Meter)	65 dB @100% Load, 62 dB @ 45% Load
PHYSICAL DATA	
DIMENSIONS W x D x H [MM]	UPS: 19.10" x 34.85" x 5.12" [485 x 885 x 130] Battery: 19" x 32.88" x 6.96" [48.26 x 83.51 x 17.68]
WEIGHT	UPS: ~ 55 lbs [25 kg] / Battery: ~ 250 lbs [113.4 kg]

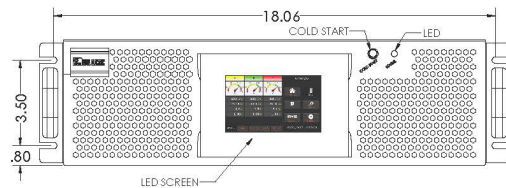
The Leader In Rugged Power Conversion Technology Since 1966

NEHR11 SERIES-3U OUTLINE DRAWING

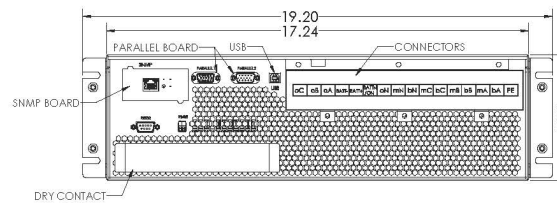
THIS UNIT CANNOT BE MOUNTED USING DRAWER SLIDES.
THIS UNIT MUST BE SUPPORTED TOP & BOTTOM BY ANGLES
(NOT SUPPLIED) MOUNTED INSIDE CUSTOMER RACK.
SLIDE GUIDE MAY BE NEEDED TO CENTER UNIT SIDE TO SIDE
AND PREVENT MOVEMENT



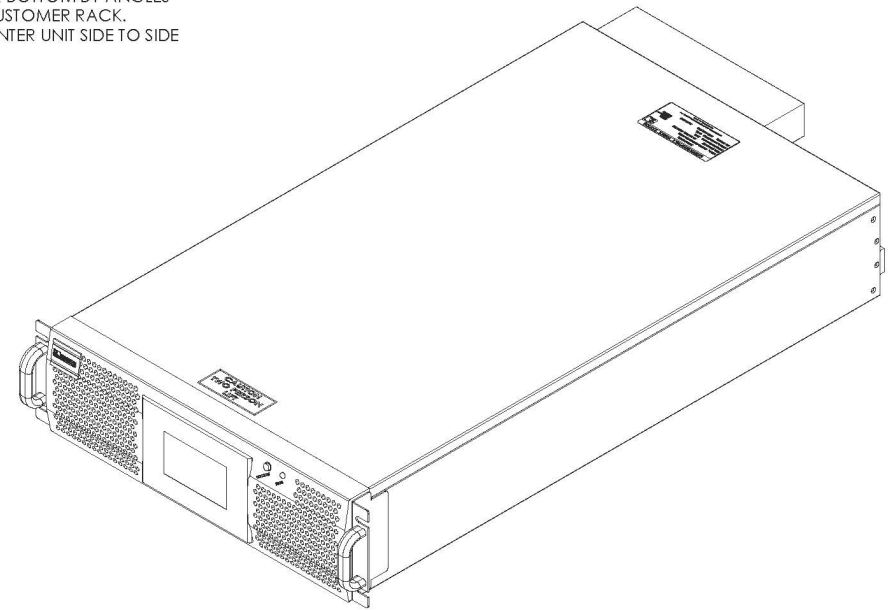
TOP VIEW



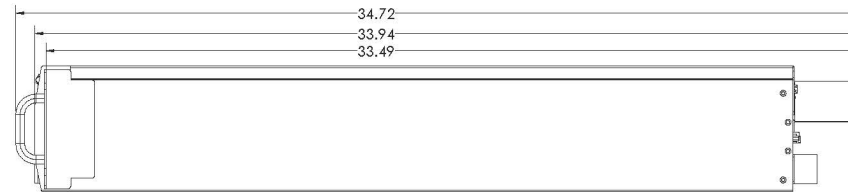
FRONT VIEW



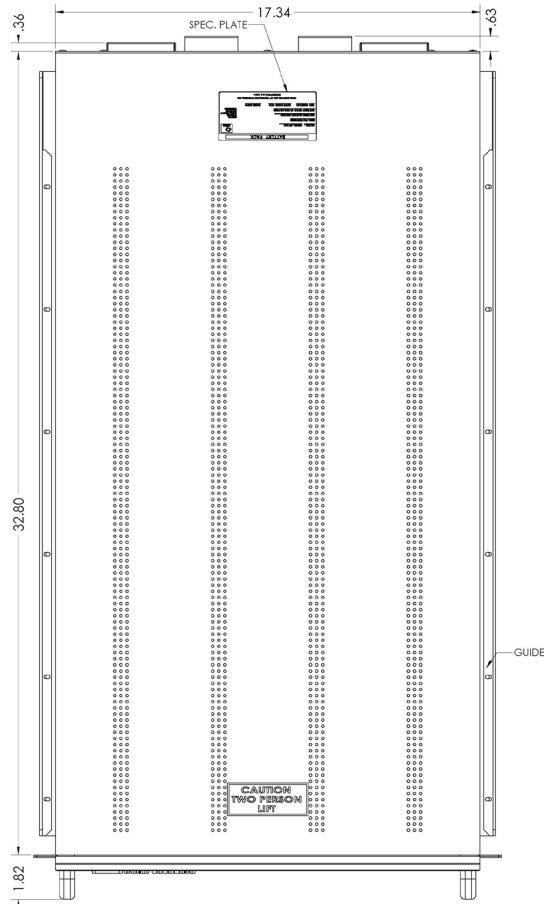
REAR VIEW



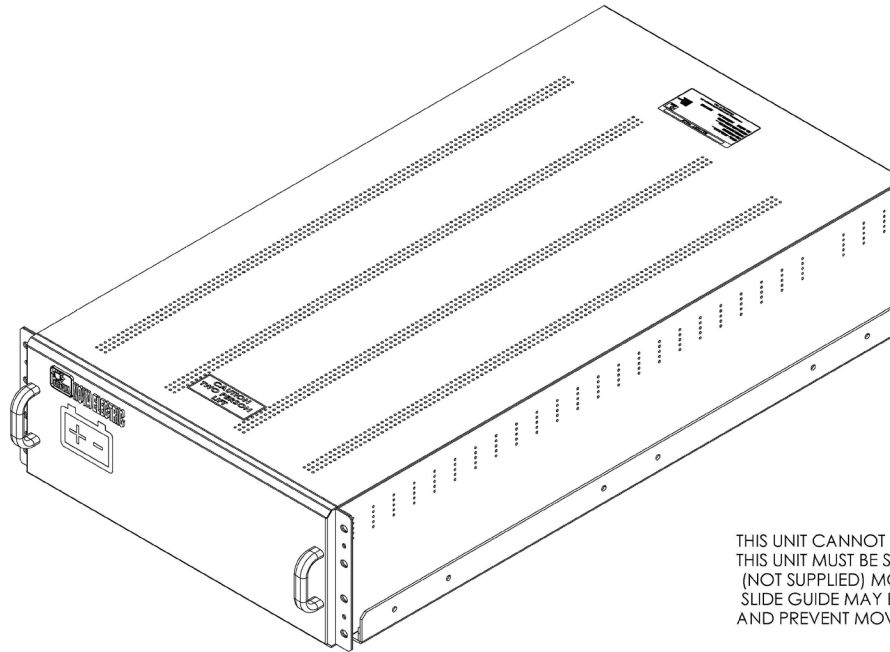
SIDE VIEW



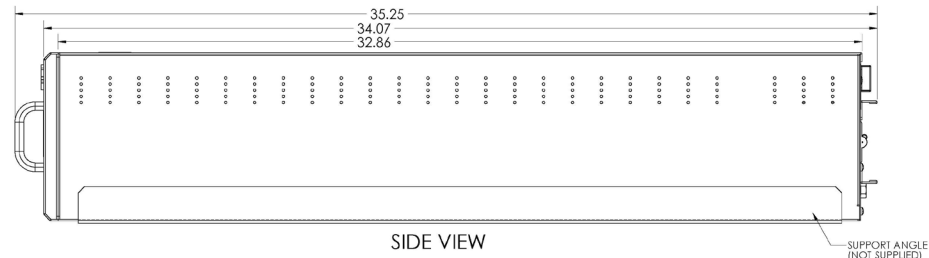
NEHRL-BP-240 OUTLINE DRAWING



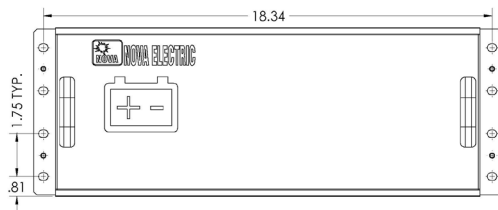
TOP VIEW



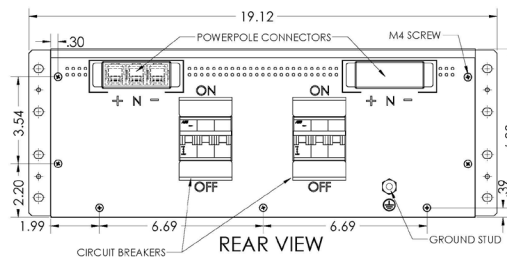
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SIDE VIEW



FRONT VIEW



REAR VIEW



RUGGED AC POWER SYSTEMS



SELECT UNITS QUALIFIED TO MIL-STD-810, MIL-S-901, MIL-STD-1399, MIL-STD-461, MIL-STD-167, MIL-STD-740, RTCA/DO-160, AND MORE

RUGGED TRUE ONLINE UPS



500 W – 500+ KW

Rack Mount, Bulkhead Mount, and Freestanding

Single and Three Phase

50, 60, and 400 Hz.

PURE SINEWAVE DC-AC INVERTERS



100 W – 500+ KW

Rack Mount, Bulkhead Mount, and Freestanding

Single and Three Phase

50, 60, and 400 Hz.

SOLID-STATE FREQUENCY CONVERTERS



100 W – 500+ KW

Rack Mount, Bulkhead Mount, and Freestanding

Single and Three Phase

50, 60, and 400 Hz.

POWER DISTRIBUTION UNITS (PDUs)



Basic, Switched, Auto-Transfer Switching, and Metered Configurations

Rack Mount, Bulkhead Mount, and Freestanding

Single and Three Phase

CUSTOM EMI FILTERS



For MIL-STD-461 Compliance

Rack Mount, Bulkhead Mount, and Freestanding

Single and Three Phase

RUGGED PORTABLE TRANSFORMERS



100 W – 500+ KW

Rack Mount, Bulkhead Mount, and Freestanding

Single and Three Phase

EXTERNAL MAINTENANCE BYPASS SWITCHES (MBSSs)



Rack Mount, Bulkhead Mount, and Freestanding

Single and Three Phase

CUSTOM DESIGNS



Designed & Built to Spec

Integrated AC & DC Capabilities

Multiple Outputs

RELIABLE AC POWER WHEN AND WHERE YOU NEED IT SEVERE ENVIRONMENT PRODUCTS



- AIRBORNE
- SHIPBOARD
- MOBILE
- RACK MOUNT & FREESTANDING

- 50, 60, AND 400 Hz
- AIR & WATER COOLED
- SINGLE AND THREE PHASE
- LIGHTWEIGHT DESIGNS

