



NEDM Series - Modular Online UPS 30 - 300 kVA (200 VAC / 208 VAC / 220 VAC)

Nova Electric's NEDM-Series Modular Online UPS provides the compact footprint of less than 4.5 m² with maximum capacity of 900 kVA in parallel, designed to protect any critical load for medium and larger data center achieving maximum availability. The DM series feature the latest 3 level technology and PFC input control, which guarantees high efficiency of 94% and ultra-reliability, making it an excellent choice for medium and larger facilities.



LCD DISPLAY

Each power module has an independent LCD which gives users' direct overview of status data and alarms in real time.



FRIENDLY INTERFACE

The LCD display accurately communicates the comprehensive status of the UPS to the user. UPS parameters can be modified easily through the 10.4" LCD display.



For more information, please visit us at www.novaelectric.com or email us at novasales@theallpower.com





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COMPREHENSIVE MONITORING MANAGEMENT

In each power module, information of critical components is monitored and displayed in real time, giving customers a view of inner status of the system and providing reminder information for maintenance.

- Maintenance reminder, running time of capacitors and fans displayed and recorded
- Comprehensive temperature monitoring for thermal abnormal detection
- Intelligent battery charger for long battery life



CRITICAL WAVEFORM RECORDING

- UPS can record and save the data of the main parameters automatically when faults happen for further analysis.
- Can record data information and present as waveform for further analysis
- Can easily spot the causes of the failures, avoid future similar faults



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SMART SLEEP

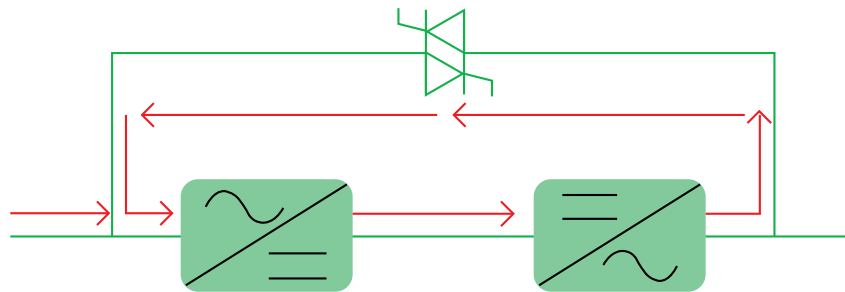
Smart Sleep function can intelligently make some power modules go to sleep when load is relatively low, improving the efficiency of the remaining power modules and saving customers on power and cooling costs.

- Improving efficiency, reducing power and cooling costs
- Easy setting with just two steps. Customers can select sleep mode and rotation period
- Power modules working in rotation, prolong the life time

SELF-AGING

Self-aging is an advanced function applied in all three phase UPS, Self-aging function can test UPS under different load situation without real load, saving more than 90% of energy.

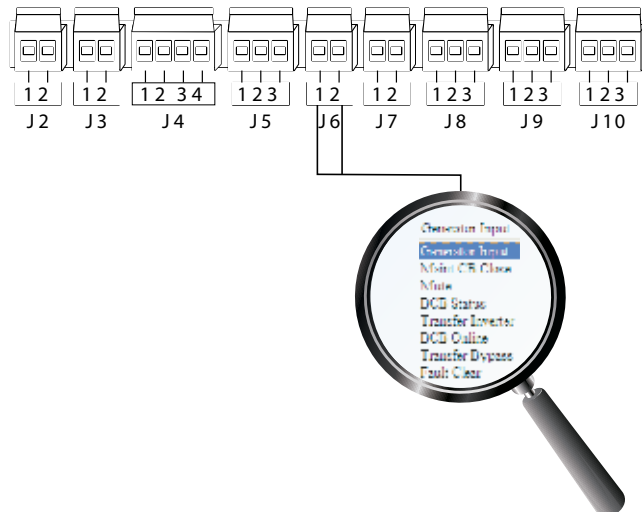
- Simulate different load conditions without connecting to any real load, saving 90% of energy
- On site setting supported, easy for factory testing



PROGRAMMABLE DRY CONTACTS

Programmable dry contacts are available in all NEDM, NERML and NC11 series UPS. Customers can easily expand or modify the definition of each port.

- Abundant options with three inputs and four outputs, all programmable
- Easy setting, just pull the drop-down menu and set
- Compatible with all the NEDM, NERML and NC11 series



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MODEL (TYPICAL)	NEDM060/30X	NEDM120/30X	NEDM180/30X	NEDM300/30X
CAPACITY	60 kVA	120 kVA	180 kVA	300 kVA
INPUT				
PHASE	3 PHASE + NEUTRAL + GROUND, 200 V / 208 V / 220 V (LINE TO LINE)			
VOLTAGE RANGE	166-120 VAC (LINE-LINE), FULL LOAD; 166-125 VAC (LINE-LINE), LOAD DERATED FROM 100%-75% LINEARLY			
FREQUENCY RANGE	40 - 70 Hz			
THDi	<3% (FULL LINEAR LOAD)			
POWER FACTOR	> 0.99			
OUTPUT				
VOLTAGE	200 / 208 / 220 VAC (Line to Line)			
VOLTAGE REGULATION	± 1.5%			
THDu	< 1.5% (LINEAR LOAD), <6% (NON-LINEAR LOAD)			
POWER FACTOR	1			
FREQUENCY RANGE	50 / 60 Hz			
OVERLOAD CAPABILITY	110% FOR 10 MINS; 125% FOR 1 MIN; >125% FOR 200 ms			
BATTERY				
VOLTAGE	± 120 VDC			
RATE FREQUENCY	20% *SYSTEM POWER			
VOLTAGE PRECISION	1%			
SYSTEM				
EFFICIENCY	NORMAL	94 %		
	BATTERY	94 %		
DISPLAY	Color LCD touch screen + LED + Keyboard			
IP CLASS	IP20			
INTERFACE	Standard: RS232, RS485, USB, Dry contacts(programmable) Option: SNMP, AS400, Parallel kit, Battery cold start(standard for 150kVA and above), Lightning protection components, Dust Filter, LBS			
OPERATION/STORAGE	0-40°C / -40 - 70°C			
RELATIVE HUMIDITY	0 - 95% (non-condensing)			
NOISE	68 dB @ 100% LOAD, 65 dB @ 45% LOAD		72 dB @100% LOAD, 69 dB @ 45% LOAD	
PHYSICAL				
WEIGHT	463 Lb. (210 Kg)	772 Lb. (350 Kg)	1080 Lb. (490 Kg)	1984 Lb. (900 Kg)
DIMENSIONS	23.62" x 38.58" x 45.28" 600 mm x 980 mm x 1150 mm	25.59" x 38.58" x 45.28" 650 mm x 960 mm x 1600 mm	23.62" x 37.80" x 78.74" 650 mm x 960 mm x 2000 mm	51.18" x 43.31" x 78.74" 1300 mm x 1100 mm x 2000 mm

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