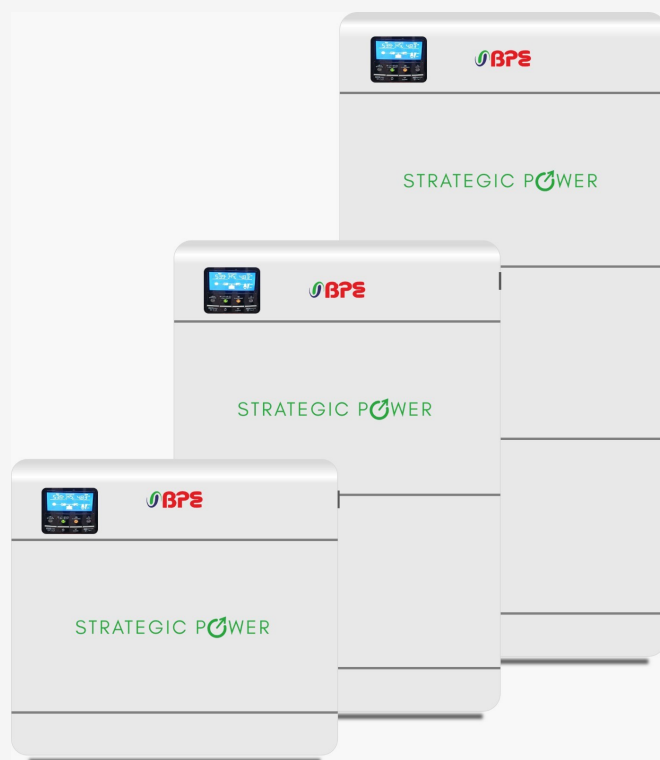


Nrgx Series

2kVA~30kVA

Applications:

- For all kind of ADP Machines.
- Best suited for IT Application (zero Transfer time).
- Data Centers
- Enterprise Networks
- Telecom Rooms
- Banks
- Airports
- Smart Cities



KEY FEATURES

- True Online Double-Conversion Technology
- DSP Technology Guarantees High Performance
- Pure Sine Wave Output
- IGBT Based both Rectifier & Inverter
- Compact Footprints
- Input Power Factor Correction ≥ 0.99
- Output Power Factor unity (1.0, kVA=kW)
- User Friendly LCD for Monitoring
- Supports Frequency Conversion Mode
- ECO mode operation for energy saving
- Emergency power off function (EPO)
- Fan Speed Regulation as per Load
- Automatic Static Bypass Switch
- Lithium-ion Battery Technology
- 10-Years Design Life
- Smart Monitoring via SNMP / IoT (opt)
- Cold Start & Soft Start Features
- Auto Restart Function
- Inbuilt Surge Protection
- Generator Input Compatible
- Best Suitable for Switch / Firewall / CCTV / Server

POWERING



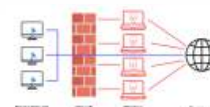
POE SWITCH



ROUTER



CCTV NVR



FIREWALL



Model	MFILVX02L1B50	MFILVX03L1B50	MFILVX05L1B100	MFILVX10L2B100	MFILVX15L3B100	MFILVX20L4B100	MFILVX25L5B100	MFILVX30L6B100
Capacity (kVA)	2	3	5	10	15	20	25	30
No. of UPS Modules	1			2	3	4	5	6
INPUT								
Nominal Voltage	230V AC (1Ph+N+PE, 3 Wire)				230V AC (1Ph+N+PE, 3 Wire)/ 400V AC (3Ph+N+PE, 5 Wire)			
Operating Voltage Range	110V~280V AC (P-N) Load Dependent							
Operating Frequency Range	50 / 60 Hz ± 10% (Auto Sensing)							
Power Factor	≥ 0.99							
OUTPUT								
Output Voltage	230V AC				230V AC/ 400V AC			
Voltage Regulation	± 1%							
Power Factor	Unity							
Frequency (Battery Mode)	50/60 Hz ± 0.1Hz							
Crest Factor	3:1							
Harmonic Distortion (THDv)	≤ 2%							
Efficiency	94.0% Dual Conversion Mode, 99.0% ECO Mode							
BATTERY								
Max. Charging Current (Configurable)	60A			120A	180A	240A	300A	360A
Battery Voltage	48V DC							
Battery Chemistry	LiFePO ₄							
Maximum Discharge Rate	1.0C							
No. of Battery Modules	1			2	3	4	5	6
Battery Energy	2.4kWh	4.8kWh	9.6kWh	14.4kWh	19.2kWh	24kWh	28.8kWh	
Expendable Battery Pack	10			5	4	3	2	
Battery Backup Time	1~5 hours (depends on the connected load)							
Recharge Time (Typical)	2 Hours (Approx.)							
SYSTEM FEATURES								
LCD Indications	Input Voltage/Frequency, Output Voltage/Frequency, Battery Voltage, Load Watt/VA/%, Operation Mode such as "On Line", "On Batt" or "On Bypass", Fault Codes, Battery & Load Bar graph							
LED Indications	Normal Operation, Bypass, Abnormal, Fault and Battery Mode							
Alarm / Protection	Batt. Low, DC High, Inverter Under/Over Voltage, UPS Overload, Short Circuit, Fan Failure and UPS Fault							
Transfer Time	AC to Battery: Zero, Inverter to Bypass: 4ms (Typical)							
Overload Capability	105-150% for 10s, >150% for 5s							
Degree of Protection	IP20							
ENVIRONMENT								
Temperature	Operating	0~50°C (No-Derating)						
	Storage	-15°C ~ 60°C						
Humidity	0~95% RH Non-condensing							
Altitude	<1500M							
Noise	<55dBA							
COMMUNICATION INTERFACE								
Standard	RS-232/ USB/ EPO							
Optional	SNMP/Dry Contact/ModBus/IoT							
Monitoring Software	BPE Cyber/ UPSilon 2000							
STANDARDS								
Quality	ISO 9001, ISO 14001, ISO 27001, ISO 45001, ISO 50001, RoHS							
Safety	IEC/EN62040-1							
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE							

*Conditions apply.
Specifications are subject to change without prior notice.

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