

MAXION SERIES

6~10kVA Online Rack Mount Split Phase UPS



The Maxion Series Split-Phase Online Rack UPS delivers high-efficiency, continuous power protection for critical loads requiring split-phase output. It provides flexible runtime scalability to meet diverse application needs. Engineered for maximum reliability, the system offers true online double-conversion technology, wide input voltage tolerance, and a unity output power factor. With stable split-phase output and zero transfer time, it ensures uninterrupted operation, protecting sensitive and mission-critical equipment from power disturbances.



GENERAL FEATURES

- Online double conversion
- Built-in EMI Filter and Surge protection
- High efficiency up to 96.5%.
- Rack/Tower convertible design
- Selectable output voltage: 220/230/240Vac
- Wide input voltage range:110~300VAC
- Output PF=1, high load adaptability
- Cold start
- Multiple communication interfaces: RS232 (USB/IoT Card/SNMP Card optional)
- External battery compatible
- Intelligent battery management

SPECIFICATIONS

MODEL		NPS-AC06SPR264E	NPS-AC10SPR264E
Capacity	kVA	6kVA	10kVA
	Watts	6000W	10000W
	Phase	Single phase with ground	
Input	Normal Voltage	220VAC/230VAC/240VAC	
	Voltage range	110~300VAC	
	Frequency range	50/60Hz±5Hz	
	Power factor	≥0.99	
	Cold start	Default frequency 60Hz	
Output	Output Voltage	220/230/240V	
	Power Factor	1	
	Voltage Regulation	±1%	
	Frequency range (Batt.mode)	50/60Hz	
	Current crest ratio	3:1	
	Harmonic distortion	≤2% , linear load	
		≤5%, non-linear load	
	Waveform	Sine wave	
Output Socket Type	standard with terminal		
Efficiency	Normal mode	up to 92.5%	
	ECO mode	up to 96.5%	
Battery	Quantity	16-20	
	Max charging	12A	
	Rate voltage	Depend on the capacity of external batteries	
Overload	Normal mode	110%:10mins; 130%:1min;150%:30 seconds(Transfer to bypass)	
Alarm	Battery mode	Beeping every second	
	Battery low	Beeping every second	
	Display indicators	Load level, Battery level, AC mode, Bypass mode and fault indicators	
	Fault	Continuously beeping	

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MODEL		NPS-AC06SPR264E	NPS-AC10SPR264E
Management	Display	LED+LCD	
	Communication interface	RS232, EPO, RS485, Cold start	
	Optional features	Relay contact card, SNMP card, USB, Parallel kit	
Environment	Humidity	0-95% non-condensing	
	IP rating	IP 20	
	Operating Temperature	0-40°C, no derating	
	Storage Temperature	0-70°C	
	Altitude	Up to 1000m without derating	
Physical	Dimension WxDxH (mm)	440*660*173	440*660*217
	Weight (kg)	60	85
Standards	Safety	CE, IEC/EN62040-1, IEC/EN62477-1	
	EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, IEC61000-4-11, IEC61000-2-2	

*Product specifications and appearances are subject to change without prior notice.

EXTERNAL BATTERY PACK

MODEL	NPS-ACBP16192VDC	NPS-ACBP20240VDC
BATTERY SYSTEM		
Battery type	VRLA (Valve Regulated Lead Acid Battery - SMF)	
Typical battery recharging time	6~8 hours (to 90% of full capacity)	
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature	
System voltage	192Vdc	240Vdc
Battery quantity	16	20
Capacity	12V/9Ah	
PHYSICAL		
Dimension W x D x H (mm)	440 x 740 x 86 (2U)	440 x 586 x 130 (3U)
Net weight (kg)	43.9	53.7
ENVIRONMENT		
Operating environment	0°C~40°C	
Relative humidity	0~95% (Non condensing)	

ORDERING INFORMATION

Part Number	Description
NPS-AC06SPR264E	6kVA Online Rack Split Phase UPS, 192-264VDC (External Battery)
NPS-AC10SPR264E	10kVA Online Rack Split Phase UPS, 192-264VDC (External Battery)
NPS-ACBP16192VDC	192VDC 16x9Ah Rack Mount Battery Pack
NPS-ACBP20240VDC	240VDC 20x9Ah Rack Mount Battery Pack

COMPATIBLE ACCESSORIES

Part Number	Description
NPS-ACSN01	Smart SNMP Card
NPS-ACR2U80	Rail kits for UPS and Battery cabinet 40-80kgs)
NPS-ACIOT01C	IoT Card for Maxion Series UPS
NPS-ACP15M	Parallel kit for 1Ph, 5m

