

# MAXION SERIES

## 6~10kVA Online Rack Mount UPS



The Maxon Series 6-10kVA Online Rack UPS delivers high-efficiency and seamless power backup for critical systems. Available in internal and external battery configurations, it offers flexible runtime options. Designed for maximum reliability, it provides stable power, wide input voltage tolerance, and an output power factor of 1.0, making it the ideal solution for mission-critical environments. It ensures instantaneous power switching, preventing disruptions and safeguarding sensitive equipment.



### GENERAL FEATURES

- Online double conversion
- Built-in EMI Filter and Surge protection
- High efficiency up to 95.5%.
- Rack/Tower convertible design
- Selectable output voltage: 220/230/240Vac
- Wide input voltage range: 176~288VAC
- Output PF=1, high load adaptability
- Cold start
- Multiple communication interfaces: RS232 (USB/loT Card/SNMP Card optional)
- Compatible external battery pack for Internal UPS models
- Paralleling up to 8 units (Optional)
- Intelligent battery management

### SPECIFICATIONS

MODEL		NPS-AC06R192I / NPS-AC06R264E	NPS-AC10R192I / NPS-AC10R264E	
Capacity	kVA	6kVA	10kVA	
	Watts	6000W	10000W	
	Phase	Single phase with ground		
Input	Normal Voltage	208/220/230/240Vac		
	Input voltage range	178~288Vac		
	Frequency Range	50/60Hz Auto Sensing $\pm 5$ Hz		
	Power Factor	$\geq 0.99$ @Nominal voltage (100% load)		
Output	Output Voltage	220/230/240Vac		
	Power Factor	1		
	Voltage Regulation	$\pm 1\%$		
	Frequency range (Batt.mode)	50Hz/60Hz $\pm 0.1$ Hz		
	Current crest ratio	3:1		
	Harmonic Distortion (THDv)	$\leq 1\%$ THD (Linear load)		
		$\leq 5\%$ THD (Non-linear load)		
	Transfer time	AC to DC	Zero	
		Inverter to bypass	Zero	
	Waveform	Pure sinewave		
Output Socket Type	Terminal Block			
Efficiency	AC mode	95.5%		
Battery	Internal	Battery type	12V/9AH	
		Numbers	16	
		Typical recharging time	4 hours recover to 90% capacity	
		Battery Voltage	192VDC	
		Charging current(max.)	1A	
	External	Charging voltage	216Vdc $\pm 1\%$	
		Battery Number	16/18/20	
		Charging voltage	216~270Vdc $\pm 1\%$	
		Charging Current	1-8A(Settable)	
		Battery Voltage	192/216/240VDC	

# MAXION SERIES

## 6~10kVA Online Rack Mount UPS



MODEL		NPS-AC06R192I / NPS-AC06R264E	NPS-AC10R192I / NPS-AC10R264E	
Indicators	LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode and Fault indicators		
Alarm	Battery mode	Beeping every 4 seconds		
	Battery low	Beeping every second		
	Overload	105%~110%: 10mins, 111%~125%:1mins, 126%~150%: 30 seconds		
	Fault	Continuously beeping		
Physical	Dimension W x D x H (mm)	Standard model	440 x 660 x 172 4U	
		Long run model	440 x 580 x 86 2U	
	Net weight (kg)	Standard model	58	62
		Long run model	16	18
Environment	Humidity	0-95% RH @ 0-40°C (Non-condensing)		
	Noise level	<50dB @ 1 Meter		
	IP Rating	IP 20		
	Operating Temperature	0°C~40°C		
	Storage Temperature	0°C~70°C		
	Altitude	<1000m		
Management	Communication Interface	EPO, RS232, USB, IoT Card, Paralleling and SNMP Card (Optional)		
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-AC06R192I	6kVA Online Rack UPS, with battery, 9Ah/12v*16 (Internal Battery)
NPS-AC06R264E	6kVA Online Rack UPS, 192-264VDC (External Battery)
NPS-AC10R192I	10kVA Online Rack UPS, with battery, 9Ah/12v*16 (Internal Battery)
NPS-AC10R264E	10kVA Online Rack 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