

# MAXION SERIES

## 1~3kVA Online Rack Mount UPS



The Maxis Series Online UPS is engineered to provide reliable, high-efficiency power backup for critical systems. Designed in a compact rack-mount form factor, it supports both internal and external battery configurations or flexible deployment. The UPS ensures seamless power continuity through instantaneous switching, effectively preventing disruptions and safeguarding sensitive equipment in mission-critical environments. It is ideal for residential homes, small offices, and retail outlets seeking a consistent and cost-effective energy supply.



### GENERAL FEATURES

- Online double conversion
- Built-in EMI Filter and Surge protection
- High efficiency up to 96%.
- Rack/Tower convertible design
- Selectable output voltage:208/220/230/240Vac
- Wide input voltage range:110~300Vac
- Output PF=1, high load adaptability
- Max charging current up to 12A.
- Emergency power OFF function (EPO)
- Cold start
- Multiple communication interfaces: RS232 (USB/IoT Card/SNMP Card optional)
- Compatible external battery pack for Internal UPS models

### SPECIFICATIONS

MODEL		NPS-AC01R361 / NPS-AC01R36E	NPS-AC02R721 / NPS-AC02R72E	NPS-AC03R961 / NPS-AC03R96E	
Capacity	VA	1000	2000	3000	
	Watts	1000	2000	3000	
	Phase	Single phase with ground			
Input	Normal Voltage	208/220/230/240Vac			
	Input voltage range	110~300Vac (176~264Vac @ 100% load ) ( 276~300Vac @ 50% load )			
	Frequency Range	50/60Hz Auto Sensing ±5Hz			
	Power Factor	≥0.99 @Nominal voltage (100% load)			
Output	Output Voltage	208/220/230/240Vac			
	Power Factor	1			
	Voltage Regulation	±1%			
	Frequency range (Batt.mode)	50Hz/60Hz ±0.1Hz			
	Current crest ratio	3:1			
	Harmonic Distortion (THDv)	≤2% THD (Linear load)			
		≤5% THD (Non-linear load)			
	Transfer time	AC to DC	Zero		
		Inverter to bypass	4ms		
	Waveform	Pure sinewave			
	Output Socket Quantity	IEC C13 - 8nos		IEC C13 - 8nos, IEC C19 - 2nos	
Efficiency	AC mode	96%			
Battery	Internal	Battery type	12V/9AH	12V/9AH	
		Numbers	3	6	
		Typical recharging time	4 hours recover to 90% capacity		
		Battery Voltage	36VDC	72VDC	
		Charging current(max.)	1A	1A	
	External	Charging voltage	40.5Vdc ±1%	81Vdc ±1%	
		Battery Number	3	6	
		Charging voltage	40.5Vdc ±1%	81Vdc ±1%	
		Charging Current	1-12A(Settable)	1-12A(Settable)	
		Battery Voltage	36VDC	72VDC	

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MODEL		NPS-AC01R36I / NPS-AC01R36E	NPS-AC02R72I / NPS-AC02R72E	NPS-AC03R96I / NPS-AC03R96E	
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	Beeping twice every second			
	Fault	Continuously beeping			
Physical	Dimension W x D x H (mm)	Standard model	440 x 440 x 86 2U	440 x 580 x 86 2U	440 x 580 x 86 2U/440x443x169 4U
		Long run model	440 x 440 x 86 2U	440 x 440 x 86 2U	440 x 440 x 86 2U
	Net weight (kg)	Standard model	12.5	19	21/25
		Long run model	7	7	10
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	-20°C~70°C			
	Altitude	<1000m			
Management	Communication Interface	EPO, Rs232, USB, IoT Card 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-ACBP0636VDC	NPS-ACBP1272VDC	NPS-ACBP0896VDC
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	36Vdc	72Vdc	96Vdc
Battery quantity	6	12	8
Capacity	12V/9Ah		
PHYSICAL			
Dimension W x D x H (mm)	440 x 438 x 86 (2U)	440 x 579 x 86 (2U)	440 x 438 x 86 (2U)
Net weight (kg)	24.3	34.1	29.2
ENVIRONMENT			
Operating environment	0°C~40°C		
Relative humidity	0~95% (Non condensing)		

### ORDERING INFORMATION

Part Number	Description
NPS-AC01R36I	1kVA Online Rack UPS, with battery, 9Ah/12v*3 (Internal Battery)
NPS-AC02R72I	2kVA Online Rack UPS, with battery, 9Ah/12v*6 (Internal Battery)
NPS-AC03R96I	3kVA Online Rack UPS, with battery, 9Ah/12v*6 (Internal Battery)
NPS-AC03R08I	3kVA Online Rack UPS, with battery, 9Ah/12v*8 (Internal Battery)
NPS-AC01R36E	1kVA Online Rack UPS, 36VDC (External Battery)
NPS-AC02R72E	2kVA Online Rack UPS, 72VDC (External Battery)
NPS-AC03R96E	3kVA Online Rack UPS, 96VDC (External Battery)
NPS-ACBP0636VDC	36VDC 3x9Ah 2Sets Rack Mount Battery Pack
NPS-ACBP1272VDC	72VDC 6x9Ah 2Sets Rack Mount Battery Pack
NPS-ACBP0896VDC	96VDC 8x9Ah Rack Mount Battery Pack

### COMPATIBLE ACCESSORIES

Part Number	Description
NPS-ACSN01	Smart SNMP Card
NPS-ACR1U40	Rail kits for UPS and Battery cabinet less than 40kgs
NPS-ACIOT01C	IoT Card for Maxion Series UPS