

MAXION SERIES

1~3kVA Online Tower UPS



The Maxion Series Online UPS is engineered to provide reliable, high-efficiency power backup for critical systems. Designed in a compact tower form factor, it supports both internal and external battery configurations for 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%.
- 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-AC01T361 / NPS-AC01T36E	NPS-AC02T721 / NPS-AC02T72E	NPS-AC03T961 / NPS-AC03T96E	
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 - 4nos		IEC C13 - 6nos		
Efficiency	AC mode	96%			
Battery	Internal	Battery type	12V/9AH	12V/9AH	12V/9AH
		Numbers	3	6	8
		Typical recharging time	4 hours recover to 90% capacity		
		Battery Voltage	36VDC	72VDC	96VDC
		Charging current(max.)	1A	1A	1A
	External	Charging voltage	40.5Vdc ±1%	81Vdc ±1%	108Vdc ±1%
		Battery Number	3	6	8
		Charging voltage	40.5Vdc ±1%	81Vdc ±1%	108Vdc ±1%
		Charging Current	1-12A(Settable)	1-12A(Settable)	1-12A(Settable)
		Battery Voltage	36VDC	72VDC	96VDC

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MODEL		NPS-AC01T36I / NPS-AC01T36E	NPS-AC02T72I / NPS-AC02T72E	NPS-AC03T96I / NPS-AC03T96E
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	144 x 355 x 226	190 x 400 x 328
		Long run model	144 x 355 x 226	144 x 398 x 223
	Net weight (kg)	Standard model	10.5	20.5
		Long run model	4.5	6
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-ACBPT0636VDC	NPS-ACBPT1272VDC	NPS-ACBPT0896VDC
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)	144 x 355 x 226	190 x 400 x 328	190 x 400 x 328
Net weight (kg)	21	37.5	27.5
ENVIRONMENT			
Operating environment	0°C~40°C		
Relative humidity	0~95% (Non condensing)		

ORDERING INFORMATION

Part Number	Description
NPS-AC01T36I	1kVA Online Tower UPS, with battery, 9Ah/12v*3 (Internal Battery)
NPS-AC02T72I	2kVA Online Tower UPS, with battery, 9Ah/12v*6 (Internal Battery)
NPS-AC03T96I	3kVA Online Tower UPS, with battery, 9Ah/12v*8 (Internal Battery)
NPS-AC01T36E	1kVA Online Tower UPS, 36VDC (External Battery)
NPS-AC02T72E	2kVA Online Tower UPS, 72VDC (External Battery)
NPS-AC03T96E	3kVA Online Tower UPS, 96VDC (External Battery)
NPS-ACBPT0636VDC	36VDC 3x9Ah 2Sets Tower Type Battery Pack
NPS-ACBPT1272VDC	72VDC 6x9Ah 2Sets Tower Type Battery Pack
NPS-ACBPT0896VDC	96VDC 8x9Ah Tower Type Battery Pack

COMPATIBLE ACCESSORIES

Part Number	Description
NPS-ACSN01	Smart SNMP Card
NPS-ACIOT01C	IoT Card for Maxion Series UPS