

# On-Line High Performance Series

## MACAN Comfort

MACAN Comfort Series with high performance Power Factor 1.0 are the safe guarding for your critical application.

### Application



## Main Feature

### • Output Power Factor 1

MAC series is a new generation UPS combine with advanced technology and **Power Factor 1.0** output, which perfectly protect your system, and ensure the best output performance.

### • Pure Sine Wave Output Less Than 2.5% THD

With the latest POWERCOM technology, MAC is able to provide Pure Sine Wave output with less than 2.5% THD for better user experience.

### • Brand New Diagram LCD Display

MAC series equipped with industry-leading LCD display. Users acquire UPS information instantly from the big size and clear display.

### • Multi-Section Fan Regulation

With Multi fan speed segment for different loading, MAC remains the best temperature for its high efficiency and reduces the operating noise.

### • True Double Conversion

True double conversion UPS provides clean, high quality and stable power to fully protect your important devices.

### • 50 / 60 Hz Frequency Converter Mode

No matter how low/high the input voltage is, lock output frequency at 50 Hz or 60 Hz.

### • UPSMON Pro and APP Support

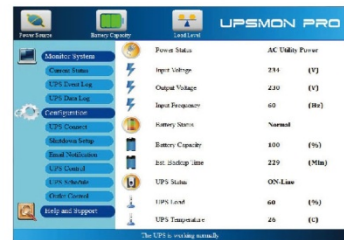
UPSMON and UPSMON APP control UPS and provide UPS status instantly.



Download Link

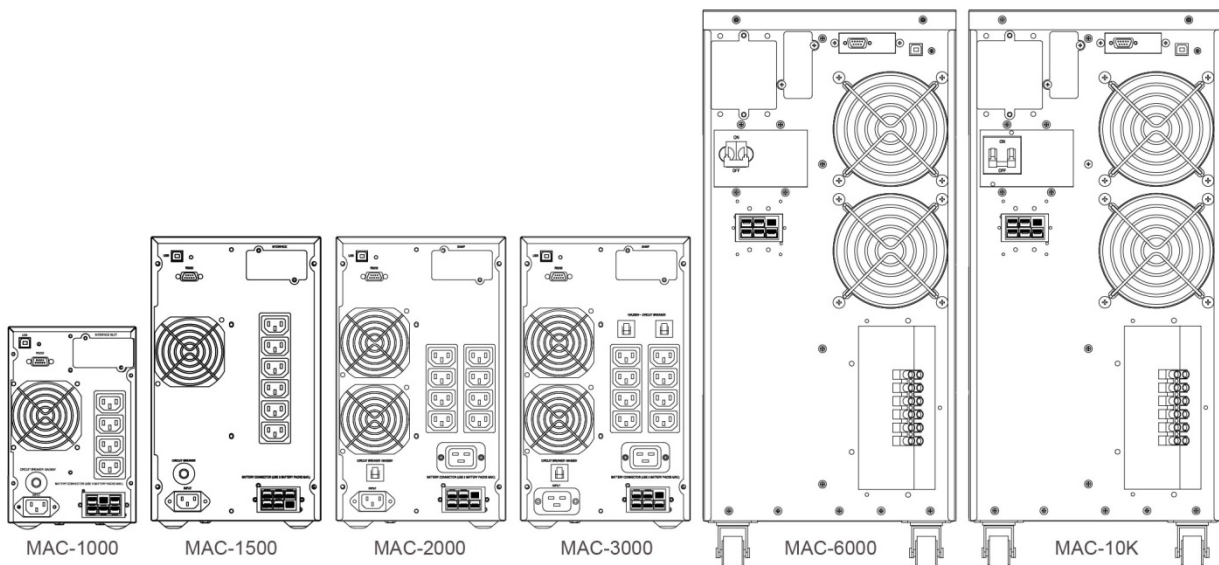


UPSMON for portable Device



UPSMON Interface

## IEC Standard Outlet



# On-Line UPS

## Specification

Model	MAC-1000	MAC-1500	MAC-2000	MAC-3000	MAC-6000	MAC-10K
<b>Configuration</b>						
Capacity (VA)	1000 VA	1500 VA	2000 VA	3000 VA	6000 VA	10 KVA
Capacity (Watts)	1000 W	1500 W	2000 W	3000 W	6000 W	10 KW
Form	Tower Type					
Phase	Single Phase					
Energy Saving	Yes - ECO Mode Efficiency >94%					
<b>Input</b>						
Voltage	100 / 110 / 120 / 127 or 208 / 220 / 230 / 240 VAC				208 / 220 / 230 / 240 VAC	
Input Voltage Range	60 - 144 VAC, < 25% Load 70 - 144 VAC, < 50% Load 80 - 144 VAC, < 75% Load 90 - 144 VAC, < 100% Load	120 - 276 VAC, < 25% Load 140 - 276 VAC, < 50% Load 160 - 276 VAC, < 75% Load 180 - 276 VAC, < 100% Load			120 - 276 VAC, < 25% Load 140 - 276 VAC, < 50% Load 160 - 276 VAC, < 75% Load 180 - 276 VAC, < 100% Load	
Input Frequency Range	50 / 60 Hz (Auto Sensing)					
Input Power Factor	>0.97					
Cold Start	Yes					
<b>Output</b>						
Rated Power Factor	1.0					
Waveform	Pure Sine Wave					
Voltage	100* / 110* / 120 / 127 VAC ± 2% or 208* / 220 / 230 / 240 VAC ± 2%				208* / 220 / 230 / 240 VAC ± 2%	
Frequency	50 / 60 Hz ±0.25 Hz					
Transfer Time	0 ms					
Harmonic Distortion	≤ 2.5% THD at Linear Load					
Crest Factor	3 : 1					
EPO Function	Option					
<b>Protection</b>						
Overload	Line Mode	105% - 120% for 30 seconds 121% - 150% for 10 seconds				
	Battery Mode	101% - 109% for 10 seconds 110% - 120% for 3 seconds				
Surge Protection	IEC 61000-4-5 Level 3					
Bypass	Internal Bypass (Automatic and Manual)					
Short Circuit Protection	UPS Output Cut Off Immediately					
<b>Battery</b>						
Type	12V 9Ah	12V 7Ah	12V 7Ah	12V 9Ah	12V 7Ah	12V 9Ah
Quantity	2	4	6	6	20	20
Sealed, Maintenance Free	Yes					
Typical Recharge Time	4 hr to 90%					
External Battery Cabinet	Option					
	12V 7Ah*6, 24Vdc	12V 7Ah*8, 48Vdc	12V 7Ah*12, 72Vdc		12V 7Ah*20, 240Vdc	12V 9Ah*20, 240Vdc
External Battery Connector	Option					
<b>Management &amp; Communication</b>						
Indicator	LCD Control Panel					
Communication Port	RS 232, USB B type					
SNMP Slot	Option					
Audible Alarms	Yes					
<b>Physical</b>						
Dimensions (WxDxH) (mm)	144 x 357 x 228	191 x 406 x 327			257 x 590 x 570	257 x 590 x 570
Weight (kgs)	10.4	16.4	20.3	22.9	86	95
Shipping Dimensions (mm)	249 x 448 x 359	292 x 500 x 455			257 x 590 x 700	257 x 590 x 700
Shipping Weight (kgs)	11.5	18.4	22.3	24.9	106	115

\* While 208V output, capacity will be derated to 90%.

\* While 100V input, capacity will be derated to 80% for 1.5K/2K/3K LV model.

\* While 110V input, capacity will be derated to 90% for 1.5K/2K/3K LV model.

\*\* Specifications are subject to change without further notice.

\*\* Specifications are for reference, please refer to information based on real product.