



ALLSAI[®]
Innovating Power



MS Series Modular UPS

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ALLSAI MS 40-500KVA

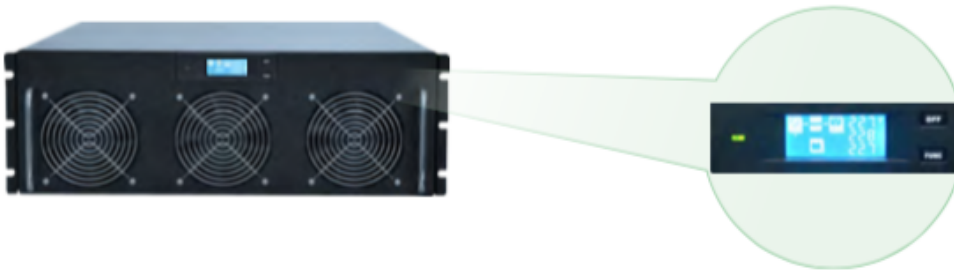
MS Series Modular Online UPS

40-500kVA (380V/400V/415V)

The MS series modular, online UPS ranging from 40kVA to 500kVA is designed to protect any critical load for medium and large data center achieving maximum availability. The MS series feature the latest technology of 3-level technology and PFC input control, which guarantees high efficiency of 96% and ultra-reliability. Its compact design ensures power density of 500kVA in one cabinet, 3 units can be paralleled for capacity or redundancy up to 1500kVA, making it an excellent choice for medium and large facilities.

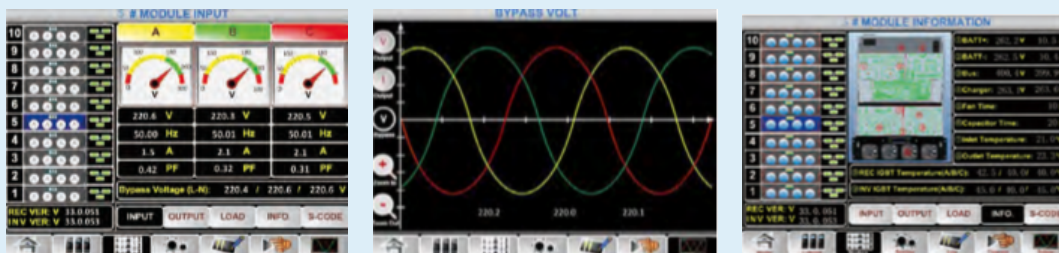


Independent LCD for Each Power Module



Each power module has an independent LCD, gives users' direct overview of status data and alarms in real time.

Friendly Interface

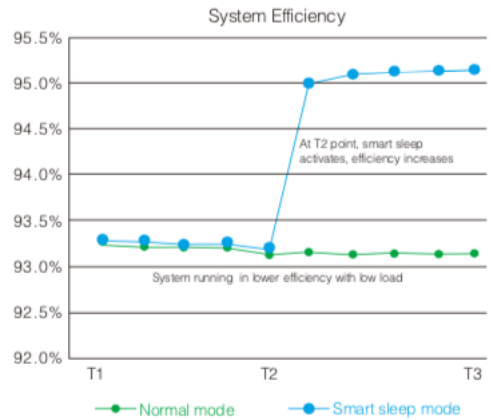


Provide graphical and text based information of alarms, status data, instructions that users can have more friendly and safer operation.

Smart Sleep

Smart Sleep function can intelligently make some power modules go to sleep when load is relatively low, improving the efficiency of the remaining power modules and saving customers on power and cooling costs.

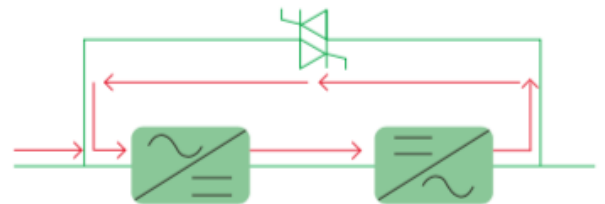
- Improving efficiency ,reducing power and cooling costs
- Easy setting with just two steps. Customers can select sleep mode and rotation period
- Power modules working in rotation, prolong the life time



Self-aging

Self-aging is an advanced function applied in all three phase UPS, Self-aging function can test UPS under different load situation without real load, saving more than 90% of energy.

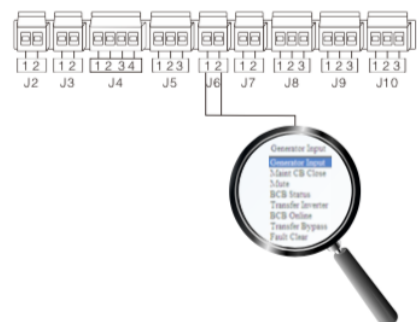
- Simulate different load conditions without connecting to any real load, saving 90% of energy
- On site setting supported, easy for factory testing



Programmable Dry Contacts

Programmable dry contacts are available in all MS series UPS. Customers can easily expand or modify the definition of each port.

- Abundant options with three inputs and four outputs, all programmable
- Easy setting, just pull the drop-down menu and set
- Compatible with all the MS



Specification

| MODEL | MS 80/40 | MS 160/40 | MS 240/40 | MS 400/40 | |
|-------------------------------|--|-----------------|-----------------|-----------------|-------------------|
| Capacity | 80kVA/80kW | 160kVA/160kW | 240kVA/240kW | 400kVA/400kW | |
| Power module | 40kVA/40kW | | | | |
| INPUT | | | | | |
| Phase | 3P+ N + G (380/400/415V) | | | | |
| Voltage range | 304-478Vac (line-line),100% load; 304-228Vac, load derated linearly | | | | |
| Frequency range | 40Hz-70Hz | | | | |
| Power factor | >0.99 | | | | |
| THDi | THDi<3% @ 100% linear load | | | | |
| OUTPUT | | | | | |
| Voltage | 380/400/415V | | | | |
| Voltage regulation | 1% for balance load; 1.5% for unbalance load | | | | |
| Power factor | 1.0 | | | | |
| THDu | THD<1%(linear load),THD<5.5%(None linear load) | | | | |
| Crest ratio | 3:1 | | | | |
| Overload capability | 110% for 60 minutes; 125% for 10 minutes;150% for 1 minute; >150% for 200ms BATTERY | | | | |
| BATTERY | | | | | |
| Voltage | ±240VDC | | | | |
| Charge power | 20%*System Power | | | | |
| Charge voltage precision | ±1% | | | | |
| SYSTEM | | | | | |
| System efficiency | Normal mode:96% ;Battery mode:96% | | | | |
| Charge power | 104" Color touch screen LCD + LED + Keyboard | | | | |
| IP class | IP20 | | | | |
| Interface | Standard :RS232,RS485,USB,Dry contacts(programmable); Optional: SNMP ,AS400,Parallel kit, Battery cold start(standard for 300kVA and 500kVA), Lightning protection components, Dust filter, LBS | | | | |
| Operation/Storage temperature | 0-40°C/-25-70°C | | | | |
| Relative humidity | 0-95%(non-condensing) | | | | |
| Noise | 72dB @ 100% load; 69dB @ 45% load (1 meter away) | | | | |
| PHYSICAL | | | | | |
| Weight | Cabinet | 120kg | 170kg | 220kg | 220kg |
| | Power module | 45kg | | | |
| Dimension (W*D*H) | Cabinet | 600*980*1150 mm | 650*960*1600 mm | 650*960*2000 mm | 1300*1100*2000 mm |
| | Power module | 510*700*178 mm | | | |

Specification

| MODELO | MS 100/50 | MS 200/50 | MS 300/50 | MS 500/50 | |
|----------------------------|--|-----------------|-----------------|-----------------|-------------------|
| Capacidad | 100kVA/90kW | 200kVA/180kW | 300kVA/270kW | 500kVA/450kW | |
| Modulo de poder | 50kVA/40kW | | | | |
| ENTRADA | | | | | |
| Fase | 3P+ N + G (380/400/415V) | | | | |
| Rango de voltaje | 304-478Vac (linea-linea),100% de carga; 304-228Vac, carga reducida linealmente. | | | | |
| Rango de frecuencia | 40Hz-70Hz | | | | |
| Factor de potencia | >0.99 | | | | |
| THDi | THDi< 3% @ 100% carga lineal | | | | |
| SALIDA | | | | | |
| Voltaje | 380/400/415V | | | | |
| Regulacion de voltaje | 1% carga balanceada; 1.5% | | | | |
| Factor de potencia | 0.9 | | | | |
| THDi | THD<1%(carga lineal),THD<5.5%(carga no lineal) | | | | |
| Factor de cesta | 3:1 | | | | |
| Capacidad de sobrecarga | 110% por 60 minutos; 125% por 10 minutos;150% por 1 minute; >150% por 200ms | | | | |
| BATERIA | | | | | |
| Voltaje | ±240VDC | | | | |
| Poder de carga | 20%* poder de sistema | | | | |
| Precision voltaje de carga | ±1% | | | | |
| SISTEMA | | | | | |
| Eficiencia del sistema | Normal mode:96% ;Battery mode:96% | | | | |
| Panel | 10.4" Color touch screen LCD + LED + Teclado | | | | |
| Clase IP | IP20 | | | | |
| Interfaz | Estándar: RS232, RS485, USB, contactos secos (programables); Opcional: SNMP, AS400, kit paralelo, arranque en frío de la batería (estándar para 300 kVA y 500 kVA), componentes de protección contra rayos, filtro de polvo, LBS | | | | |
| Oper/Temp almacenamiento | 0-40°C/-25-70°C | | | | |
| Humedad relativa | 0-95%(Sin condensacion) | | | | |
| Ruido | 72dB @ 100% de carga; 69dB @ 45% de carga (1 metro de distancia) | | | | |
| FÍSICO | | | | | |
| Peso | Gabinete | 120kg | 170kg | 220kg | 220kg |
| | Mod de poder | 45kg | | | |
| Dimensión (W*D*H) | Gabinete | 600*980*1150 mm | 650*960*1600 mm | 650*960*2000 mm | 1300*1100*2000 mm |
| | Mod de poder | 510*700*178 mm | | | |



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ACERCA DE ALLSAI

ALLSAI es una compañía con más de 15 años de experiencia en el mercado latinoamericano destacándose por innovar continuamente en las diferentes soluciones de respaldo de energía.

Actualmente contamos con un amplio portafolio de soluciones que agrega valor al negocio de nuestros clientes, logrando posicionar nuestra marca en toda la región con un sello de calidad y respaldo que hace la diferencia.

