

Modular three-phase UPS

ATP DM

Power: 10-90KVA

Input voltage: 380/400/415V

Output voltage: 380/400/415V



The rack modular, scalable, hot-swappable, online double conversion UPS DM ranging is from 10 to 90kVA, with its flexible configuration of 3/3, 3/1 and 1/1, compact structure, is the deal choice for small and medium data center.

ATP DM Features

Rack modular design

- Modular design, compatible with 19" standard rack cabinet, convenient to be integrated into server cabinet.

High power density

- 10kVA power module in 2U height, saving great amount of space, easy for capacity expansion

Integrated solution for data center

- UPS can be integrated with battery cabinet, PDU and external maintenance bypass, offering excellent choice for data center

Smart sleep function

- System can intelligently shut down some power modules to increase total load rate, achieving higher efficiency

Self-aging mode

- Energy internal circle technology, system can run with full load, saving more than 90% energy

Friendly interface

- 7" touch color LCD with graphic display, more information displayed and easier for customer to operate

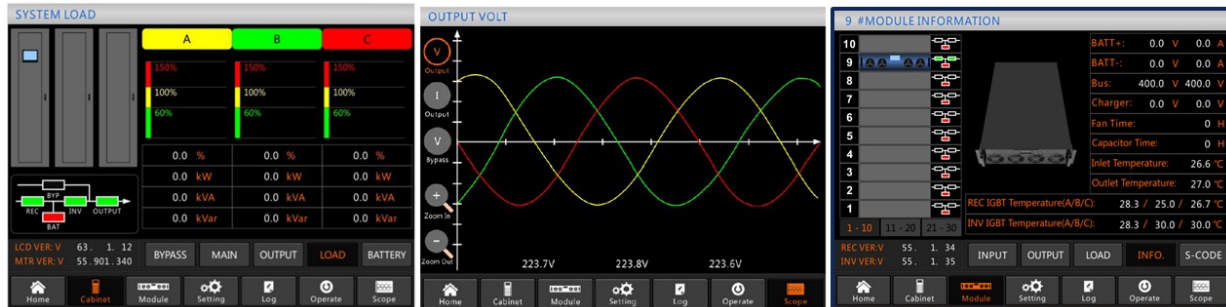
Intelligent charging management

- The system intelligently control the whole process of the charging and discharging, effectively improving the life time of the battery



Friendly Interface

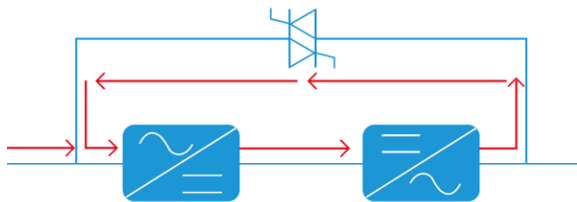
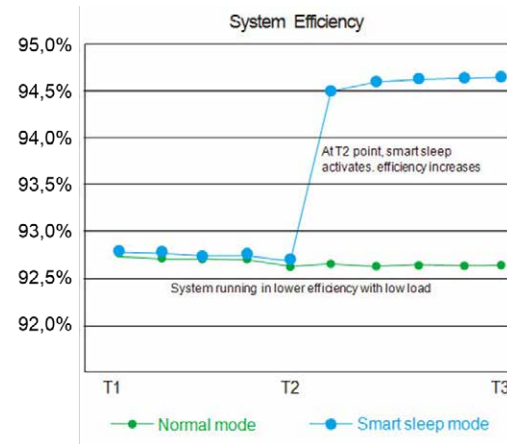
- It's 7" LCD display, shows information on the status of the UPS, input and output electrical parameters, charge percentage and backup time of the UPS system. Provide graphical and text based information of alarms, status data, instructions that users can have more friendly and safer operation.
- Allows the selection of operating modes and configuration of equipment operating parameters.



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.



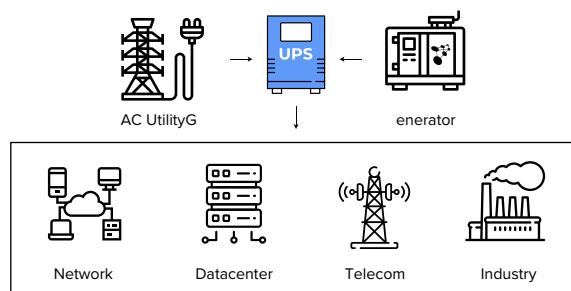
Fields of application

Its versatility and reliability make it an ideal UPS for small and medium datacenters, industrial processes, sensitive equipment in telecommunications networks and as a power supply to office equipment in medium and large companies.

Self-aging Mode

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.



Technical specifications

MODEL			60/10X	040/10X	020/10X	090/15X	045/15X	030/15X
System Capacity			60kVA	40kVA	20kVA	90kVA	45kVA	30kVA
Power Module Capacity			10kVA/10kW			15kVA/15kW		
Input	Dual Input		Standard					
	Phase		3 Phase+Neutral+Ground, 380V/400V/415V(line-line)					
	Input Voltage Range		304~478Vac (line-line),full load;					
			228V~304Vac (line-line),load decreases linearly according to the min phase voltage					
	Rate Frequency		50/60Hz					
	Input Frequency Range		40Hz ~ 70Hz					
	Input PF		>0.99					
Input THDi		<4% ~ 100% Linear load ~						
Bypass	Rate Voltage		380/400/415Vac (line-line)					
	Rate Frequency		1% for balance load; 1.5% for unbalance load					
	Input Voltage Range		50/60Hz					
	Bypass Frequency Range		0.1%					
	Bypass Overload		1			110% long term operation; 130% for 5mins ; 150% for 1 min; >150% for 300ms		
Output	Rate Voltage		<1% , Linear load; <5.5%, Non-linear load					
	Voltage Regulation		3:1					
	Rate Frequency		110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms					
	Frequency Precision		±240Vdc					
	Output PF		40pcs (Settable: even number from 32 to 44)					
	Output THDu		±1%					
	Crest Factor		up to 20% * Output active power					
	Inverter Overload		Optional					
Battery	Voltage		95.0%					
	Battery Number		98.0%					
	Voltage Precision		94.5%					
	Charge Power		7.0" color touch screen LCD + LED + keyboard					
	Battery Cold Start		IP 20					
System	Efficiency	AC Mode	RS232,RS485, Programmable Dry Contact					
		ECO Mode	SNMP Card, Parallel kit, SPD, Power module with battery cold start function					
		Battery Mode	Operation: 0 ~ 40 ~ Storge: -40 ~ 70 ~					
	Display		0 ~ 95% Non-condensing					
	IP Class		<1000m. Within 1000m to 2000m, power derate 1% for every 100m rise					
	Interface		56dB @ 50% load					
	Option		Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3					
	Temperature		Operación: 0 ~ 40 ~ Storge: -40 ~ 70 ~					
	Relative Humidity		0 ~ 95% sin condensación					
	Altitude		<1000m. Dentro de 1000 m a 2000 m, la potencia disminuye un 1% por cada aumento de 100 m					
	Noise (1 meter)		56dB @ 50% de carga					
	Applicable Standards		Seguridad: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Rendimiento: IEC/EN 62040-3					
Physical	Weight (kg)	Cabinet	70	51	42	70	55	42
		Power module	15.3			15.5		
	Dimension W * D * H (mm)	Cabinet	485*751*1033	485*697*575	485*697*398	485*751*1033	485*751*575	485*697*398
		Power module	436*590*85					

* Product specifications are subject to change without further notice.

