

For the powerful digital world!



光泽新能源科技有限公司

LustreUPS (Xiamen) Technology Co.,Ltd.

Web: www.lustreups.com

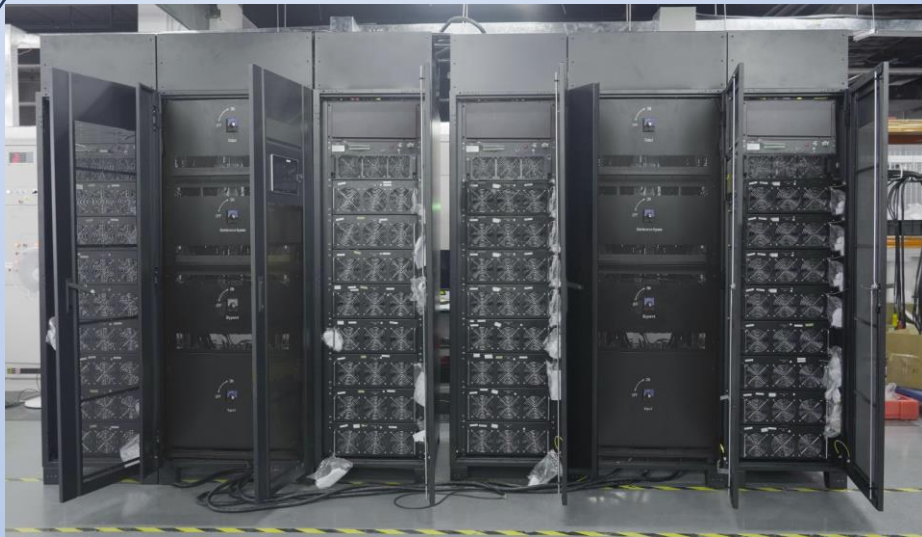
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Successful Cases (A large 2000kVA data center in Belarus)

- Product Model: 62.5~2000kVA Modular UPS
- Solution: 2pcs 1000KW UPS in **parallel** (each include 16* power modules), Provide backup power supply support for more than 2000 PC servers.



Factory test before delivery 2024-11-11

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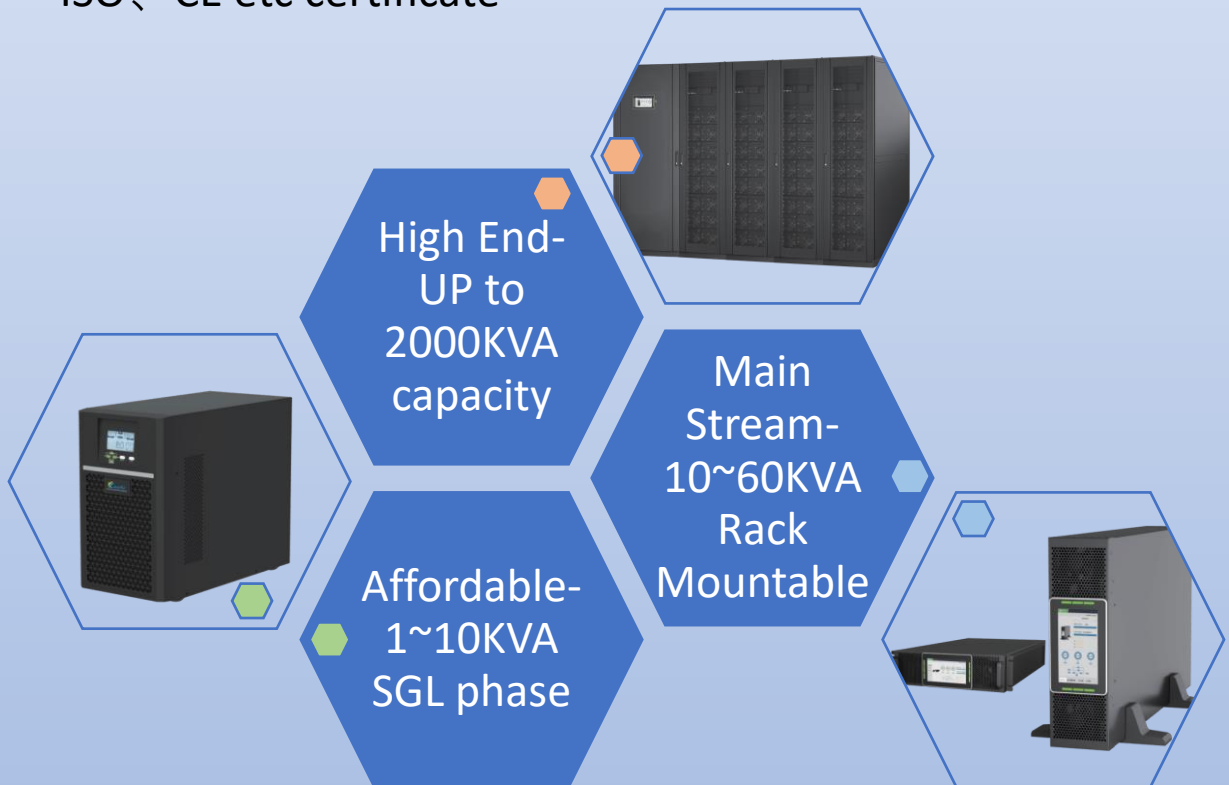


Uninterruptible Power Supply

For the powerful digital world!

We have 21 years of UPS development experiences

- Products: UPS & Energy Storage System
- Over 120+ employees, 45+ R&D engineers
- Factory around 10,000 m²
- Production capacity: 50million USD
- ISO、CE etc certificate



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ACM Series

62.5~2000kVA Modular UPS



Power range

62.5~2000kVA



Operation

3P/3P, Online double conversion



Applications

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.



Characteristics

- Fully digital control, flexible and robust.
- 10 inch touch LCD, with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Intelligent system self-diagnosis, rich fault recording, large capacity of history record storage space.
- Maximum system capacity up to 2.0MVA, the best solution for mega data center.



Model		AC400	AC500	AC800	AC1000	AC1200	AC1500	AC2000
Rate Power		400kVA	500kVA	800kVA	1000kVA	1200kVA	1500kVA	2000kVA
Main input	Input	3P5W (3P+N+PE)						
	Rate Voltage	380/400/415VAC(L-L);220/230/240VAC(L-N)						
	Rate Freq.	50/60Hz						
	Input PF	>0.99						
	Current distortion	THDi<3%(100% Linear load)						
	Voltage range	304 ~ 478VAC(L-L)full load; 304 ~ 228VAC (L-L) power derate from 100% to 75%						
	Freq. range	40-70Hz						
Battery	Rate voltage	±240VDC						
	Charging capacity	20%*Pout						
	Charging accuracy	±1%						
Bypass	Rate voltage	380/400/415VAC(L-L);220/230/240VAC(L-N)						
	Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15% ;						
	Overload	110%, long time operation 110%< load<125%, 5 mins 125%<load<150%, 1 min >150%, 1 second						
Inverter	Rate voltage	380/400/415VAC(L-L);220/230/240VAC(L-N)						
	Rate Freq.	50/60Hz						
	Output PF	1						
	Voltage accuracy	±1.0%						
	Load response	<5% (20% - 80% -20% step load)						
	Recovery time	< 20ms (0% - 100% -0% step load)						
	Output THDu	<1%(linear load),<5% (non-linear load according to IEC 62040-3)						
	Overload	110%,1 hour; 125%,10 mins; 150%,1 min; >150%,200ms						
	Frequency accuracy	0.1%						
	Synchronize window	Settable, ±0.5Hz-±5Hz, default ±3Hz						
	Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S						
	Crest factor	3:1						
	Phase Accuracy	120°±0.5°						
System	Efficiency	Normal Mode up to 96%; Battery Mode up to 96%						
	Display	LED + 10 inch touch LCD						
	Certification- Safety	IEC62040-1, IEC60950-1						
	Certification- EMS	IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)						
	IP degree	IP20						
	Configuration	USB, RS232, RS485, Dry contact, Cold start, Air filter						
	Option	SNMP card、AS400 card、Parallel kit、SPD、LBS						
	Environment	0-40℃(operation); -25℃~70℃(storage); 0-95% (Humidity, non-condensing)						
	Noise(dB)(1 meter)	72dB @ 100% load, 69dB @ 45% load						
Dimension	Cabinet(W*D*H)mm	1200*1000*2000		2000*1000*2000		2800*1000*2000		3600*1000*2000
	Module(W*D*H)mm	442*659*174						
Weight(kg)	Cabinet	350		600		850		1100
	Module	41						
Power Module rated capacity		50KW	62.5KW	50KW	62.5KW	50KW	62.5KW	

Statement: The products will continue to be innovative and optimized, which may lead to asynchronized updates of the actual product and promotional materials. Therefore, this document is for reference only and does not constitute any offer or commitment.

ACT Series

10~60kVA 3 phases Rack UPS



Power range

10~60kVA



Operation

3P/3P,3P/1P,1P/1P,Online double conversion



Applications

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.



Characteristics

- Mounted in 19 inch rack, or install as tower UPS.
- 7 inch touch LCD with IoT functions.
- Flexible configuration as 3/3,3/1,1/1.
- High power density, small volume, 30kW in 3U.
- High reliability and environment adaptability.



Model		TT010LR	TT015LR	TT020LR	TT030LR	TT040LR	TT060LR
Rate Power		10kVA	15kVA	20kVA	30kVA	40kVA	60kVA
Main input	Input	3P5W (3P+N+PE)					
	Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)					
	Rate Freq.	50/60Hz					
	Input PF	>0.99					
	Current distortion	THDi<3% (100% Linear load)					
	Voltage range	304 ~ 478VAC(L-L)full load; 304 ~ 228VAC (L-L) power derate from 100% to 75%					
	Freq. range	40-70Hz					
Battery	Rate voltage	±240VDC					
	Charging capacity	20%*Pout					
	Charging accuracy	±1%					
Bypass	Rate voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)					
	Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15%					
	Frequency range	50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz					
Inverter	Rate voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)					
	Rate Freq.	50/60Hz					
	Output PF	1					
	Voltage accuracy	±1.0%					
	Load response	<5% (20% - 80% -20% step load)					
	Recovery time	< 20ms (0% - 100% -0% step load)					
	Output THDu	<1% (linear load) ,<5% (non-linear load according to IEC 62040-3)					
	Overload	110%,1 hour; 125%,10 mins; 150%,1 min; >150%,200ms					
	Frequency accuracy	0.1%					
	Synchronize window	Settable, ±0.5Hz-±5Hz, default ±3Hz					
	Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S					
	Crest factor	3:1					
	Phase Accuracy	120°±0.5°					
System	Efficiency	Normal Mode up to 96%; Battery Mode up to 96%					
	Display	LED + 7 inch touch LCD					
	Certification- Safety	IEC62040-1, IEC60950-1					
	Certification- EMS	IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)					
	IP degree	IP20					
	Configuration	USB, RS232, RS485, Dry contact					
	Option	SNMP card, AS400 card, Parallel kit, LBS, Air filter, Cold start					
	Environment	0-40℃ (operation) ; -25℃~70℃ (storage) ; 0-95% (Humidity, non-condensing)					
Dimension (W*D*H) mm		440*774*130 (3U)				440*788*174 (4U)	440*780*308 (7U)
Weight(kg)		27	28	29	38	60	

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ACS Series

1~3kVA online Rack UPS



Power range

1~3kVA



Operation

1P/1P, online double conversion



Applications

Government, Finance, IT,
Education, Transportation,
Broadcasting, Medical,
Energy, etc.



Characteristics

- High efficiency up to 96%.
- Output PF=1, high load adaptability.
- Wide input voltage range of 110~300Vac.
- Max charging current up to 12A.

Model	SS001BR	SS001LR	SS002BR	SS002LR	SS003BR	SS003LR	
Rate Power	1kVA/1kW	1kVA/1kW	2kVA/2kW	2kVA/2kW	3kVA/3kW	3kVA/3kW	
Cold start	Default output 50/60Hz						
Input voltage range	110~300VAC;100% load@176VAC~276VAC, 100%~50% power derating@110VAC~176VAC, 50% load@276VAC~300VAC						
Input power factor	≥0.99						
Frequency range	50/60±5Hz(default),±3Hz/±10Hz(settable)						
Output power factor	1.0						
Output	Rate voltage	220/230/240VAC, 200/208VAC(PF=0.9)					
	Load response	≤5% (0% - 100% -0% step load)					
	Recovery time	≤40ms (0% - 100% -0% step load)					
	Output THDu	≤2% , Linear load ; ≤ 5% non-linear load according to IEC62040-3					
Transfer time	Main to BAT	0					
	INV to BYP	4ms					
Efficiency (normal mode)	Max 96%						
Noise (1 meter)	43dB@<60%load, 47dB@>60%load		<50dB@<60%load,<55dB@>60%load		<50dB@<60%load,<55dB@>60%load		
Overload	Normal	102%~110%: 30mins, 110%~125%:10mins, 125%~150%: 30 seconds					
	Battery mode	102%~110%: 1min, 110%~125%: 10 seconds, 125%~150%:5 seconds					
	Bypass mode	<130%: long time, 130%~150%:10mins, 150%~180%:5 seconds					
Battery	Model	12VDC/7Ah	Depend on external battery	12VDC/7Ah	Depend on external battery	12VDC/9Ah	Depend on external battery
	Quantity	3		6		6	
	Max charging	1A	1-12A(settable)	1A	1-12A(settable)	1A	1-12A(settable)
	Rate voltage	36VDC		72VDC		72VDC	
Standard	EPO, RS232						
Option	SNMP card,AS400, USB, RS485, BMS by dry contact, Air filter						
Dimension ,W*D*H(mm)	440*440*86		440*580*86	440*440*86	440*580*86	440*440*86	
Weight (kg)	19	9.5	27.5	9.7	28	10	

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ACS Series

1~3kVA online Tower UPS



Power range

1~3kVA



Operation

1P/1P, online double conversion



Applications

Government, Finance, IT,
Education, Transportation,
Broadcasting, Medical,
Energy, etc.



Characteristics

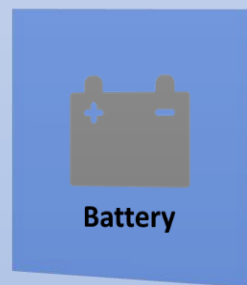
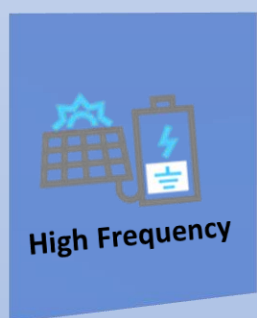
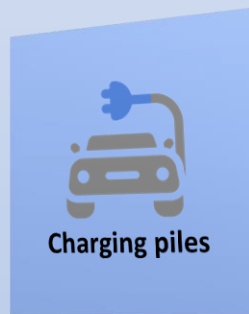
- High efficiency up to 96%.
- Output PF=1, high load adaptability.
- Wide input voltage range of 110~300Vac.
- Max charging current up to 12A.

Model	SS001B	SS01.5B	SS001L	SS002B	SS002L	SS003B	SS003L
Rate Power	1kVA/1kW	1.5kVA/1.5kW	1kVA/1kW	2kVA/2kW	2kVA/2kW	3kVA/3kW	3kVA/3kW
Cold start	Default output 50/60Hz						
Input voltage range	110~300VAC;100% load@176VAC~276VAC, 100%~50% power derating@110VAC~176VAC, 50% load@276VAC~300VAC						
Input power factor	≥0.99						
Frequency range	50/60±5Hz(default), ±3Hz/±10Hz(settable)						
Output power factor	1.0						
Output	Rate voltage	220/230/240VAC, 200/208VAC(PF=0.9)					
	Load response	≤5% (0% - 100% -0%)					
	Recovery time	≤40ms (0% - 100% -0%)					
	Output THDu	≤2% , Linear load ; ≤ 5% non-linear load according to IEC62040-3					
Transfer time	Main to BAT	0					
	INV to BYP	4ms					
Crest factor	3:1						
Efficiency (normal mode)	Max 96%						
Noise (1 meter)	43dB@<60%load, 47dB@>60%load			<50dB@<60%load,<55dB@>60%load		<50dB@<60%load,<55dB@>60%load	
Overload	Normal	102%~110%: 30mins, 110%~125%:10mins, 125%~150%: 30 seconds					
	Battery mode	102%~110%: 1min, 110%~125%: 10 seconds, 125%~150%:5 seconds					
	Bypass mode	<130%: long time, 130%~150%:10mins, 150%~180%:5 seconds					
Battery	Model	12VDC/7Ah	Depend on external battery	12VDC/7Ah	Depend on external battery	12VDC/7Ah	Depend on external battery
	Quantity	3		6		8	
	Max charging	1A	1-12A(settable)	1A	1-12A(settable)	1A	1-12A(settable)
	Rate voltage	36VDC			72VDC		96VDC
Standard	EPO, RS232						
Option	SNMP card, AS400, USB, RS485, BMS by dry contact, Air filter						
Dimension ,W*D*H(mm)	144*355*226			190*400*328	144*398*223	190*400*328	144*398*223
Weight (kg)	10.5		4.5	20.5	6	25	6

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After more than 20 years of continuous efforts, our product line has been extended to...

- Modular Data Center;
- Precision Cooling;
- Battery OEM & ODM;
- Charging piles



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