ACM Series

30~150kVA Modular UPS

Internal 7/9Ah modular battery strips



Power range

30~150kVA

Operation

3P/3P, Online double conversion

Applications

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

Characteristics

- 10 inch touch LCD with IoT functions.
- High power density, small volume.
- High reliability and environment adaptibility.
- Optional full metal battery strips, with internal batteries capable of configuring up to 24 battery module strips.
- Standard configuration for mains input/output, maintenance bypass, battery breaker.



Model		AC090/30-240	AC150/30-240
Rate Power		90kVA	150kVA
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	
	Model	UPS with internal batteries,12VDC/7~9Ah	
	Quantity	240PCS	
	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 + 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, Air filter	
	Option	SNMP card, AS400 card, Parallel kit, LBS, Cold start	
	Environment	0-40℃（operation）；-25℃~70℃（storage）；0-95% (Humidity, non-condensing)	
Dimension	Cabinet (W*D*H) mm	600*1000*2000	
	Module(W*D*H) mm	440*678*86(2U)	
Weight(kg)	Cabinet(No include batteries)	260	280
	Module	23	
Power module rated capacity		30KW	

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