ACM Series

10~120kVA Modular UPS



Power range

10~120kVA

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 stand alone.
- 7 inch touch LCD, with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Extreme high power density,20kW in 2U, friendly for space and maintenance.
- Option of 30A charger module for long backup applications.



Model		2-Slot Cabinet			4-Slot Cabinet			6-Slot Cabinet		
		AC020/10	AC030/15	AC040/20	AC040/10	AC060/15	AC080/20	AC060/10	AC090/15	AC120/20
Rate Power		20kVA	30kVA	40kVA	40kVA	60kVA	80kVA	60kVA	90kVA	120kVA
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								
	Phase Accuracy	120°±0.5°								
System	Efficiency	Normal Mode up to 95.5%; Battery Mode up to 95.5%								
	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, Cold start								
	Option	SNMP card, AS400 card, Parallel kit, LBS, Air filter, Bottom entry kit								
	Environment	0-40℃(operation)；-25℃~70℃(storage)；0-95% (Humidity, non-condensing)								
	Noise(dB)(1 meter)	65dB @ 100% load, 62dB @ 45% load								
Dimention	cabinet(W*D*H)mm	482*700*396 (9U，wheels not included)			482*700*662(15U，wheels not included)			482*700*840(19U，wheels not included)		
	module(W*D*H)mm	440*555*85（2U）								
Weight(kg)	Cabinet	55			92			94		
	Module	17								
Power Module rated capacity		10KW	15KW	20KW	10KW	15KW	20KW	10KW	15KW	20KW

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