ACM Series

25~180kVA Modular UPS



Power range

25~180kVA

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, 30kW in 2U, friendly for space and maintenance.
- Option of 30A charger module for long backup applications.



Model		AC100/25	AC120/30	AC150/25	AC180/30
Rate Power		100kVA/100kW	120kVA/120kW	150kVA/150kW	180kVA/180kW
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*816*796 (18U,wheels not included)		482*816*1018(23U,wheels not included)	
	module(W*D*H)mm	440*678*85（2U）			
Weight(kg)	Cabinet	113		132	
	Module	23			
Power Module rated capacity		25KW	30KW	25KW	30KW

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