ACT Series

100~600kVA 3-phase Tower UPS



Power range

100~600kVA

Operation

3P/3P,Online double conversion

Applications

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

Characteristics

- 3P/3P pure online double transformation products, support 380 / 400 / 415V, 50 / 60Hz power grid system, to provide the ideal power supply quality and load protection.
- High performance and efficiency, input PF>0.99,THDi<3%, efficiency >96%.
- Full DSP control, flexible and robust digital control for rectifier, inverter and battery management.
- Wide range of voltage and frequency, adapt to different grid and generator input.
- Intelligent system self-diagnosis scheme, rich fault recording, large capacity of history record storage space.
- Redundancy fan design in power module, increasing the system reliability and tolerance.
- Top/bottom cable entry, flexible for different field installation.

Model		TT100	TT120	TT180	TT200	TT240	TT300	TT400	TT500	TT600
Rate Power		100kVA	120kVA	180kVA	200kVA	240kVA	300kVA	400kVA	500kVA	600kVA
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%								
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	125%, long time operation 125%< load <130%, 10mins 130%<load <150%,1min >150%,300ms					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 + 7 inch touch LCD					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	(W*D*H)mm	600*1000*1600					600*1000*2000	1200*1000*2000		1200*1100*2000
Weight	Cabinet	185					248	250		578
	Module	41								
Power Module rated capacity		50KW	60KW		50KW	60KW		50KW	62.5KW	60KW

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.