

RD7000 *TT Series*

10~80kVA 3 phases Tower UPS

Power range

10~80kVA

Operation

3P/3P, Online double conversion

Applications

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

Characteristics

- 7 inch touch LCD with IoT functions.
- High power density, small volume.
- High reliability and environment adaptability.
- Optional full metal battery strips, with internal batteries capable of configuring up to 12 battery module strips.



Rack model power module



Full metal battery strips(Optional)

Model		TT010B	TT015B	TT020B	TT030B	TT040B	TT060B	TT080B	
		TT010L	TT015L	TT020L	TT030L	TT040L	TT060L	TT080L	
Rate Power		10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA	
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							
Rate voltage		±240VDC							
Battery	Model	UPS with internal batteries,12VDC/7~9Ah							
		UPS for external batteries,Settable							
	Internal BAT	120PCS					160PCS		
	Quantity	Depend on external battery, 40PCS							
	External BAT	Depend on external battery, 40PCS							
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°							
	Efficiency		Normal Mode≥96%; Battery Mode≥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)							
System	IP degree	IP20							
	Configuration	USB, RS232, RS485, Dry contact, Air filter							
	Option	SNMP card, AS400 card, Parallel kit, LBS, Cold start							
	Environment	0-40°C (operation) ; -25°C~70°C (storage) ; 0-95% (Humidity, non-condensing)							
Dimension (W*D*H) mm	Internal BAT	500*864*922					500*865*1250		
	External BAT	250*530*650					250*782*650		
Weight(kg)	Internal BAT (No include batteries)	143			155		200		
	External BAT	43			53		85		

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