

GTM-15 Series

10~90kVA Modular UPS



Power range

10~90kVA



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		GTM030/15	GTM060/15	GTM090/15
Rate Power		30kVA/30kW	60kVA/60kW	90kVA/90kW
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	3 wires: $\pm 240\text{VDC}$ / 2 wires: 480VDC 20-50 batteries(Settable)		
	Charging capacity	20%*Pout		
	Charging accuracy	$\pm 1\%$		
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	$\pm 1.0\%$		
	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 , $\pm 0.5\text{Hz}$ - $\pm 5\text{Hz}$, default $\pm 3\text{Hz}$		
	Slew rate	Settable , 0.5Hz/S-3Hz/S, default 0.5Hz/S		
	Phase Accuracy	$120^\circ \pm 0.5^\circ$		
System	Efficiency	Normal Mode $\geq 96.5\%$; Battery Mode $\geq 96.5\%$		
	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, Wheels 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	442*710*307 (7U)	442*858*705(16U)	442*858*883(20U)
	module(W*D*H)mm	400*495*86 (2U)		

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