

GTM-15 Series

15~90kVA Modular UPS



Power range

15~90kVA



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



Power Module Diagram



Rack Installation Diagram
(for main units up to 180kVA)

Model		GTM030/15	GTM045/15	GTM060/15	GTM090/15
Rate Power		30kVA/30kW	45kVA/45kW	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: ±240VDC / 2 wires: 480VDC		30-50 batteries(Settable)	
	Charging capacity	50%*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	≥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 (default)	Cabinet dimention	442*710*307 (7U)	442*710*485 (11U)	442*661*705 (16U)	442*661*906(20U)
	MAX dimention	442*751*397	442*751*575	442*841*797	442*841*976
Four-switch cabinet (optional)	Cabinet dimention	442*710*396 (9U)	/		442*661*1239(28U)
	MAX dimention	442*751*486			442*841*1331
Power Module W*D*H(mm)		400*495*86 (2U)			
Weight (kg)	Standard Cabinet	39	52	64	88
	Four-switch Cabinet	46	/		116
	Power Module	13.8			

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