

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.



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: ± 240 VDC / 2 wires: 480VDC	30-50 batteries(Settable)			
	Charging capacity	50%*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 , ± 0.5 Hz- ± 5 Hz, default ± 3 Hz				
	Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S				
	Phase Accuracy	$120^\circ \pm 0.5^\circ$				
	System	Efficiency	$\geq 96.5\%$			
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°C (operation); -25°C~70°C (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)					