

GTM-30-HV Series

30~300kVA Modular UPS(480V)



Power range

30~300kVA



Operation

3P/3P, Online double conversion



Applications

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



Characteristics

- Fully digital control, flexible and robust.
- 7/10 inch touch LCD, with IoT functions.
- High reliability and environmental adaptability, with protection of components level.
- Intelligent system self-diagnosis, rich fault recording, large capacity of history record s
torage space.
- Maximum system capacity up to 900KVA, the best solution for mega data center.



Model		GTM120/30-HV	GTM180/30-HV	GTM300/30-HV
Rate Power		120kVA	180kVA	300kVA
Main input	Input	3P5W (3P+N+PE)		
	Rate Voltage	480VAC(L-L)		
	Rate Freq.	50/60Hz		
	Input PF	>0.99		
	Current distortion	THDi<3%(100% Linear load)		
	Voltage range	384 ~ 528VAC(L-L)full load ; 288 ~ 384 VAC (L-L) power derate from 100% to 50%		
	Freq. range	40-70Hz		
	Rate voltage	±240VDC		
Battery	Charging capacity	20%*Pout		
	Charging accuracy	±1%		
	Rate voltage	480VAC(L-L)		
Bypass	Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15%		
	Overload	<110%, long time operation 110%< load<125%, 10 mins 125%<load<150%, 1 min		
	Rate voltage	480VAC(L-L)		
Inverter	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 95.5%; Battery Mode up to 95.5%		
	Display	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		
	Cabinet(W*D*H)mm	482*816*796	482*816*1018	600*1000*2000
Dimension	Module(W*D*H)mm	440*678*85(2U)		
	Cabinet	113	132	260
Weight(kg)	Module	23		
	Power Module rated capacity	30KW		

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