



POWERHOUSE

Reliable Power Solutions

T7 SERIES (10kVA-300kVA)

FEATURES:

- Hot swappable for each module, easy maintenance
- Redundant and High Reliability
- Strong load adaptability for linear and nonlinear load
- Intelligent module and system protection design
- Double DSP controller for individual power module
- IGBT modules rather than discrete components are applied in the power module.
- Friendly generator interface
- SNMP communication card
- Battery temperature compensation module
- Alarm and message module for mobile phone.



STAR
T7 SERIES
10kVA -300kVA



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Specifications		
Capacity	10-200KVA	300KVA
Main Input		
Input voltage	380V/400V/415V, -40%~+25%	380V/400V/415V,-20%~+25%
Input frequency	50/60Hz, 40-70HZ	50/60Hz, 40-70HZ
Power factor	>0.99	>0.99
Battery		
Battery voltage	±240VDC	±240VDC
Charger power	20%*Power	20%*Power
Charger voltage precision	1%	1%
Bypass		
Bypass voltage	380V/400V/415V, three phase	380V/400V/415V, three phase
Bypass voltage window	-20%~+15%, full load	-20%~+15%, full load, settable
Bypass overload capability	125%< load <130%, last for more than 1 hour	< 115%, long time operation
	130%<load<150%,last for more than 6 minutes	115%< load <120%, last for more than 1 hour
	>1000%, last for more than 100ms	120%<load<125%,last for more than 10 minutes
Output		
Output voltage	380V/400V/415V, three phase	380V/400V/415V, three phase
Voltage precision	1% (balance load),1.5% (unbalance load)	0.5% (balance load),±1% (unbalance load)
Voltage THD	THD<1.5%(linear load),THD<5%(nonlinear load)	THD<1%(linear load),THD<5%(nonlinear load)
Power factor	0.8	0.8
Phase tolerance	120°±0.5° (balance and unbalance load)	120°±0.5° (balance and unbalance load)
Crest factor	3:1	3:1
Overload capability	105%,long time operation	110%, transfer to bypass after 10 minutes
	110%, transfer to bypass after 1hour	
	125%, transfer to bypass after 10 minutes	125%, transfer to bypass 150%, transfer to bypass after 1 minute after 1 minute
	150%, transfer to bypass after 1 minute	
	>150%, transfer to bypass after 200ms	
System		
System efficiency	Normal mode: 96%, ECO mode: 99%, Bat. Mode: 96%	Normal mode: 96%, ECO mode: 99%, Bat. Mode: 96%
Display	LCD+LED, Touch screen and keyboard	LCD+LED, Touch screen and keyboard
Interface (Communication Ports)	RS232,RS485,Dry contacts,SNMP card,EPO,Generator interface	RS232,RS485,Dry contacts,SNMP card,EPO,Generator interface
Operation temperature	0-40°C	0-40°C
Storage temperature	-25°C ~70°C	-25°C ~70°C
Relative humidity	0-95% (non-condensing)	0-95% (non-condensing)
Noise(dB)	<55dB	<55dB
Weight(kg)	6-module cabinet / 150kg	10-module cabinet / 180kg
	10-module cabinet / 180kg	
	10KVA: 20kg	
	15KVA: 21kg	
Dimension(W x D x H)(mm)	20KVA: 22kg	30KVA: 22kg
	6-module cabinet / 600 x 900 x 1600	10-module cabinet / 600*900*2000
	10-module cabinet / 600 x 900 x 2000	
	Module / 440*600*134 (10KVA/15KVA/20KVA)	Module / 400 x 600 x 133 (30KVA)

All information contained in this brochure is purely indicative and can not be used to form any contractual obligations. Specification or design can be changed at anytime without prior notice.