



UPS TITANUS

Modular 10kVA÷90kVA



The rack modular, scalable, hot-swappable, online double conversion UPS ranging is from 10 to 90kVA, with its flexible configuration of 3/3, 3/1 and 1/1, compact structure, is the ideal choice for small and medium data center.

MAIN FEATURES

- 3 **Rack modular design, hot-swap** Modular design, compatible with 19" standard rack cabinet, convenient to be integrated with servers
- 3 **Parallel redundancy configuration**
- 3 **Pure sine waveform**
- 3 **ECO mode**
- 3 **Integrated solution for data center** UPS can be integrated with external battery cabinet, PDU and external maintenance bypass, offering excellent choice for data center
- 3 **Intelligent Battery Test** The system intelligently control battery status
- 3 **Compatible with Lead Battery and Lithium Battery** (external battery cabinet)
- 3 **Flexible configuration** The system based on 10kVA/15kVA power module can be configured to 3/3, 3/1 and 1/1 without derating
- 3 **Friendly interface** 7" touch color LCD with graphic display, Mimic Diagram, more information displayed and easier for customer to operate
- 3 **External shut down management**
- 3 **Mimic Diagram** (on display)
- 3 **ECODESIGN** compliance
- 3 **Warranty** up to 5 years (optional)
- 3 **EPO** external power off
- 3 **BFP** Backfeed protection (optional)
- 3 **CE** conformity



Model	TITANUS Modular TM020/10X	TITANUS Modular TM040/10X	TITANUS Modular TM060/10X	TITANUS Modular TM030/15X	TITANUS Modular TM045/15X	TITANUS Modular TM090/15X
Cabinet Capacity	10kW - 60kW			15kW - 90kW		
Power Module Capacity	10kVA/10kW			15kVA/15kW		
Main Input						
Input voltage	380V/400V/415V(line to line) 220V/230V /240V(line to neutral)					
Input voltage range	304-478Vac					
Input frequency	50/60Hz					
Power factor	>0.99					
Input voltage window	up 276Vac; down -40% (-20%,-30%, -40% selectable) -20%~-40% rated power derating from 100%~80%					
Frequency window	40-70Hz					
Input current THDi*	<3%					
Battery						
Battery voltage	±240VDC					
Battery Type	AGM (VRLA) or Lithium Ion					
Battery Test	Standard or Full charge (automatic)					
Charger power	20%*Active Power					
Charger voltage precision	1%					
Bypass						
Bypass voltage	380V/400V/415V(line to line) 220V/230V/240V(line to neutral)					
Bypass voltage window	-20%~+15% default; -40%~+25% selectable					
Bypass overload capabiltiy	125%, long time operation			110%, long time operation		
	125%< load <130%, last for more than 10 mins			110%< load <130%, last for more than 5 mins		
	130%<load<150%,last for more than 1 min			130%<load<150%,last for more than 1 min		
	load>150%, last for more than 300ms			load>150%, last for more than 300ms		
Output						
Output voltage	380V/400V/415V(line to line) 220V/230V/240V(line to neutral)					
Rated Frequency	50/60Hz					
Output Frequency Stability	< 0,1Hz					
Voltage precision	<1%					
Voltage THD (Total Harmonic Distortion)*	THD<1%(linear load),THD<5.5%(nonlinear load)					
Output Power factor	1					
Phase tolerance	120°±0.5° (balance and unalance load)					
Crest factor	3:1					
Overload capabiltiy	<102%, long time					
	110%, transfer to bypass after 60minutes					
	125%, transfer to bypass after 10 minutes					
	150%, transfer to bypass after 1 mintute					
	>150%, transfer to bypass after 200ms					
System						
System efficiency*	Normal mode: >96%max					
	ECO mode: 99%					
Display	7" touch screen LCD+LED - with Mimic Diagram					
Language	English, Turkish, Korean, Russian, Polish, Portuguese					
IP class	IP21					
Interface (Com. Ports)	RS232, RS485, MODBUS, Dry contact, EPO					
Options	Ethernet/HTTP/HTTPS/SNMP (Remote Monitoring) Card, ANTI-SEISMIC KIT , Parallel Kit, Full Charge Self-Test , BFP Backfeed protection kit					
Installation/Connection	Top or bottom cable entry					
Short Circuit Resistance	> 60kA					
Operation temperature	0-45°C					
Storage temperature	-40°C~70°C					
Relative humidity	0-95% (non-comdensing)					
Noise(dB)(1m)	< 65dB			< 65dB		
Dimension(W*D*H)mm** Net/Package Weight(kg)	485*697*398(7U)	485*697*575(11U)	485*751*1033(21U)	485*697*398(7U)	485*751*575(11U)	485*751*1033(21U)
	42/58	51/68	85/102	42/58	57/74	85/102
	Power module: PM10X436*590*85mm/15.3/16			PM15X436*590*85mm/15.5/16		
Applicable Standard	IEC / EN 60950-1					
	IEC / EN 60240-1-2-3					
	EU Regulation 2024/1781 (ECODESIGN)					
	Directive 2011/65/EU RoHS II					

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