

SOLLATEK MAXIMA TOWER

UNINTERRUPTIBLE POWER SUPPLY 10 kVA TO 20 kVA

DESCRIPTION

The Sollatek Maxima Tower Series 3-Phase UPS, ranging from 10 kVA to 20 kVA, offers superior protection for critical systems, ensuring efficiency with up to 99% performance and a maximum 1.0 power factor (*select models, see table*). Its True Double-Conversion design, advanced DSP control, and wide input range guarantee stability even under fluctuating mains conditions, while scalability is supported through parallel operation (up to three units) and CVCF. Built-in protection features like OVCD, fan lock, and overload warnings enhance reliability for demanding applications.

With user-friendly features like a multilingual dot matrix LCD, color touchscreen, and secure cloud connectivity via an embedded Ethernet port, the Sollatek Maxima Tower Series 3-Phase UPS ensures seamless monitoring. IoT support through WLAN (optional) and a mobile app (Android/iOS) provide convenient remote management. Designed for mission-critical environments, the Maxima UPS combines efficiency, scalability, and advanced protection for uninterrupted power.

APPLICATIONS

- Data Center
- Telecommunications
- Financial Services
- Security and Surveillance System
- Automatic Control System
- Building Management
- Manufacturing Process Control
- Petro Chemical Industry

FEATURES

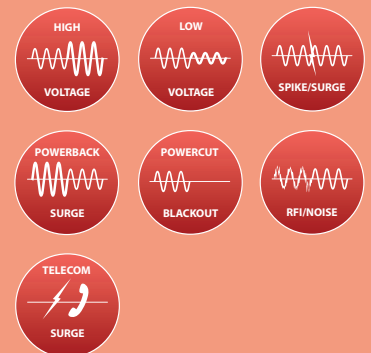
- **Enhanced Protection:** OVCD, fan lock, over-temperature, and overload detection for maximum reliability in critical environments
- **Effortless Battery Integration:** Automatic EBM detection, adjustable charging current, and flexible configurations to extend battery life
- **Quiet & Efficient:** Low audible noise and high efficiency for energy savings, including a compact footprint
- **Advanced Display:** Multi-language dot matrix LCD (optional) and color touchscreen (standard) for easy setup and service
- **Future-Proof Connectivity:** Ethernet and WLAN for secure cloud and IoT integration; mobile app (Android/iOS) for monitoring
- **Flexible Configuration:** 10-20 kVA 3-3 models can be set as 3-1/1-1 or single/dual input for versatile wiring options
- **Compact & Quiet Design:** Requires minimal installation space, while low audible noise ensures a comfortable environment
- **Superior Efficiency:** Real PF 1 for more power in the same space, with true double-conversion for robust protection



FEATURES



PROTECTION AGAINST



PROTECTION FOR



TECHNICAL SPECIFICATION

MAXIMA TOWER MODELS		10K	15K	20K
Capacity (VA/W)		10000 VA / 10000 W	15000 VA / 15000 W	20000 VA / 20000 W
Efficiency	Double Conversion	95%	96%	96%
	ECO Mode	98%	98.8%	99%
INPUT				
Voltage Range		160-300V (273-520) 100% Load 100-160V (173-273) derating to 50% load linearly		
Rated Frequency		50/60 Hz		
Frequency Range		40-70 Hz (45-55Hz, 54-66Hz @ load>60% and 1 phase in 1 phase out)		
Power Factor (PF)		>0.995		
THDi		<3% linear load <5% non linear load		
OUTPUT				
Rated Voltage		220/230/240 V or 380/400/415 V		
Rated Frequency		50/60 Hz		
Maximum PF		1.0		
Voltage Accuracy		±1%		
THDv		<1% linear load <5% non linear load		
Transfer Time		0ms (2ms @ ECO+ ->Inverter)		
Crest Ratio		3:1 Max		
Overload (line mode)		100%<load≤105% cont. 105%< load ≤125% for 10m 125<load≤150% for 1m >150% for 500ms		
GENERAL				
Working Modes	CVCF	Yes (derating to 60% load @ 1 phase in and 1 phase out mode)		
	Parallel	Optional (up to 3)		
Interface	Display	Colour Touch LCD (Optional Dot Matrix LCD)		
	Language	10 Languages		
	USB	USB 2.0 with HID		
	RS232	Yes		
	Dry In/Out	1 programmable dry in 1 programmable dry out		
	EPO	Yes		
	Intelligent Slot	Yes (for Long Card)		
	Network Card	Optional (NMC Long Card)		
	Modbus Card	Optional (CMC/Modbus Long Card)		
	Dry Contactor	Optional (AS400 Long Card)		
	WLAN Module	Optional (HDMI Type)		
	Ethernet Port	RJ45		
	Software	WinPower		



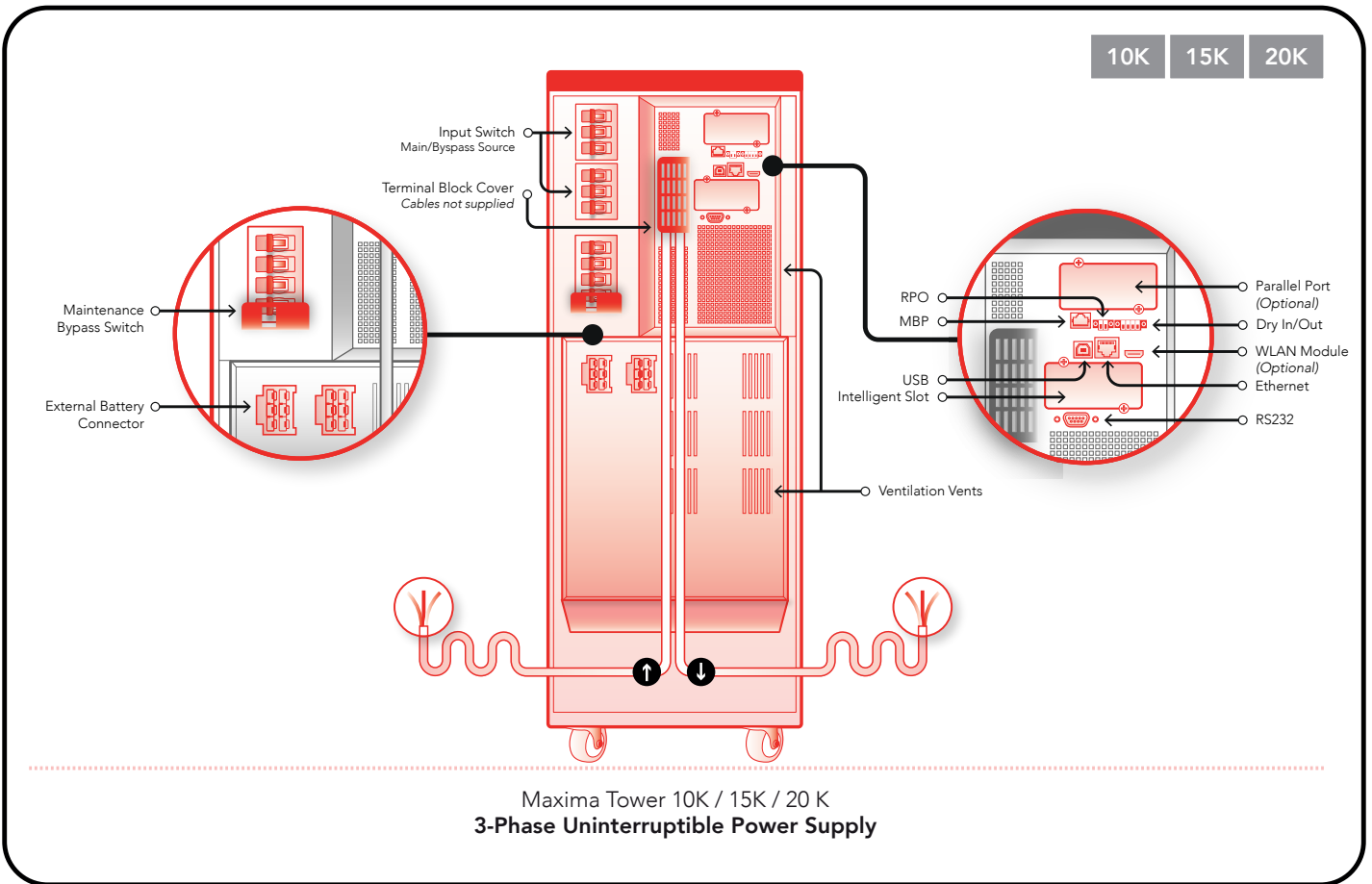
TECHNICAL SPECIFICATION (cont.)

MAXIMA TOWER MODELS		10K	15K	20K
Certification		CE, IEC/EN 62040		
EMI	Conduction/ Radiation	C3		
EMS	ESD	IEC61000-4-2		
	RS	IEC61000-4-3		
	EFT	IEC61000-4-4		
	Surge	IEC61000-4-5		
Maintenance Bypass Switch		Standard		
Input Connection		L1/L2/L3/N/PE or L/N/PE hardware terminal connection Dual input for line and bypass		
Output Connection		L1/L2/L3/N/PE or L/N/PE hardware terminal connection		
BATTERY				
Voltage		192 VDC (192~240 VDC adjustable)	384 VDC (384~480 VDC adjustable)	
Capacity (AH)		2*8*12V/9Ah 16~20pcs adjustable	2*16*12V/7Ah 32~40pcs adjustable	2*16*12V/9Ah 32~40pcs adjustable
Backup time: Typical value by default battery capacity, PF=1		1.8min 100% load 4.5min 50% load	2.0min 100% load 5.2min 50% load	1.8min 100% load 4.7min 50% load
Max. External Battery Quantity		6		
Charging Current		2A (0-13A adjustable)	1.5A (0-13A adjustable)	2A (0-13A adjustable)
Recharging Time		3h to 90%		
ENVIRONMENTAL				
Operating Temperature		0-50°C (power derating to 50% @ 40 50°C)		
Relative Humidity		0-95%		
Operating Altitude		0~4000m (the load derating 1 % every up 100m @1000~4000m)		
Acoustic Noise		<55 dB		
IP Protection Level		IP20		
ACCESSORY				
Input Power Cable		N/A		
Output Power Cable		N/A		
EBM Cable		Yes		
USB Cable		Yes		
RS232 Cable		Optional		
PHYSICAL				
Unit Dimensions (WxDxH)		350 x 650 x 890 mm		
Unit Weight		96 kg	129 kg	139 kg

i For any inquiries, please contact Sollatek. UPS systems with capacities up to 200 kVA are also available, reach out to the sales team for more information.

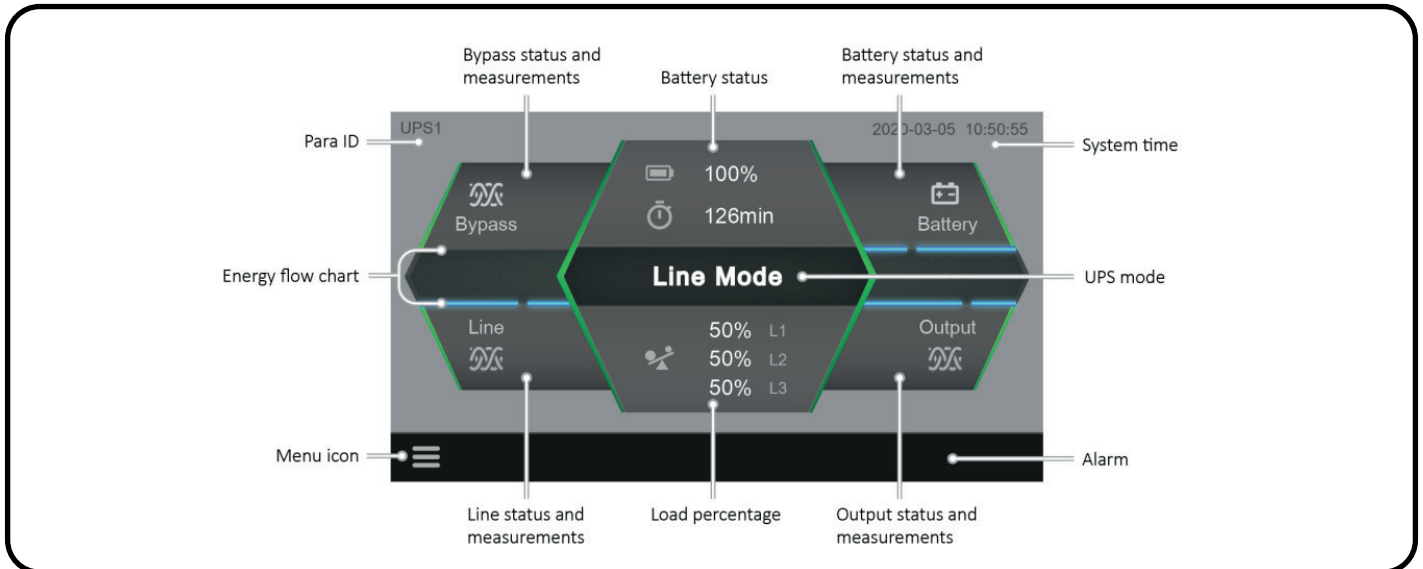


REAR PANEL



i The rear panel diagrams presented are for illustrative purposes only. Detailed drawings are available upon request.

LCD DISPLAY



PRODUCT CODE	DESCRIPTION
9762T301-B	Maxima Tower HV 3/3 10K (with Internal Battery)
9762T301-5B	Maxima Tower HV 3/3 15K (with Internal Battery)
9762T302-B	Maxima Tower HV 3/3 20K (with Internal Battery)

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