



SOLLATEK MAXIMA 3PH A2R

UNINTERRUPTIBLE POWER SUPPLY
100 kVA TO 200 kVA

DESCRIPTION

The Sollatek Maxima Series 3-Phase UPS, ranging from 100 kVA to 200 kVA, offers exceptional protection for critical systems with an output power factor of 0.9 and a double conversion on-line topology for consistent power delivery. With up to 94% efficiency in inverter mode, it maximises energy savings while ensuring reliable performance. The system is equipped with intelligent battery management and its adjustable battery configuration allows for flexibility in setup, accommodating varying power requirements.

The enhanced environmental adaptability design ensures stable operation even in challenging conditions, while the compact footprint makes it an ideal choice for space-conscious environments. The UPS can be paralleled with up to 4 units, providing scalability for growing power demands. Combining high efficiency, flexible configurations, and superior adaptability, the Sollatek Maxima Series 3-Phase UPS is designed to deliver long-lasting, dependable power for mission-critical applications.

APPLICATIONS

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

FEATURES

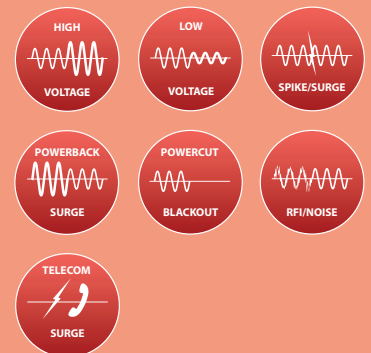
- **Optimised Power Output:** Output power factor of 0.9, delivering reliable performance with minimal energy loss
- **Double Conversion Technology:** Advanced double conversion on-line topology for superior power protection and reliability
- **High Efficiency:** Efficiency of up to 94% in inverter mode, ensuring energy savings and operational cost reduction
- **Intelligent Battery Management:** Smart battery management system for enhanced performance, health, and longevity
- **Customisable Battery Configuration:** Adjustable battery quantity for tailored solutions to meet specific power needs
- **Adaptable Environmental Design:** Enhanced environmental adaptability for operation in various challenging conditions
- **Compact and Space-Saving:** Streamlined design that reduces footprint, ideal for space-constrained installations
- **Scalable Expansion:** Support for parallel operation of up to 4 units, enabling scalable power solutions as demand grows



FEATURES



PROTECTION AGAINST



PROTECTION FOR



TECHNICAL SPECIFICATION

MAXIMA MODELS	100 kVA	120 kVA	160 kVA	200 kVA
Capacity (kVA/kW)	100 kVA / 90 kW	120 kVA / 108 kW	160 kVA / 144 kW	200 kVA / 180 kW
Efficiency	94% (Online Mode), >98% (ECO Mode)			
INPUT				
Topology	PWM, IGBT based			
Voltage Range	220/380 VAC (400/415 VAC selectable) -45% ~ +25%, depends on load percentage			
Rated Frequency	50/60 Hz (auto-sensing)			
Frequency Range	42-72 Hz			
Power Factor (PF)	0.99			
THDi	<3%			
OUTPUT				
Rated Voltage	220/380 VAC Nominal +/- 1% (400/415 VAC selectable)			
Rated Frequency	50/60 Hz			
Maximum PF	0.9			
THDv	<2% linear load			
Crest Ratio	3:1 Max			
Overload Capacity	<105% continuous run; 105%-125% 10min; 150% 1min			
BYPASS				
Internal Static Switch	Standard			
Bypass Voltage	380 VAC (+/- 15%)			
Maintenance Bypass Switch	Standard			
BATTERY (Not Included)				
Battery Type	VRLA			
Byackup Time	Varies from battery capacity and load situation			
Battery PCS	100KS/120KS/160KS/200KS: 36-40 PCS adjustable, 40 PCS default			
Recharge Time	8 hours to 90%			
COMMUNICATION				
Interface	RS232, USB, 2 Com slots, 3 Building Alarm, EPO			
Com Cards (Optional)	SNMP/WEB, Modbus/Ethernet, AS400, NMC			
ENVIRONMENT				
Running temperature	UPS:0-40°C; Battery: 25°C			
Storage	-25 ~ 55°C (without battery); +15 ~ 25°C (with battery)			
Humidity	5% ~ 95%			
Elevation	No derating < 1000m			
Noise level	20kVA≤55 dBA@1 meter front side; 30-40kVA≤62 dBA@1 meter front side; 60-120kVA≤65 dBA@1 meter front side; 160-200kVA≤70 dBA@1 meter front side			
REGULATION				
Safety	IEC/EN 62040-1			
EMC	IEC/EN 62040-2			
Performance	IEC/EN 62040-4			
Certification	CE			
PHYSICAL				
Unit Dimensions (WxDxH)	600 x 800 x 1876 mm		600 x 830 x 1876 mm	
Unit Weight	283 kg	311 kg	475 kg	

PRODUCT CODE	DESCRIPTION
9762T310	Maxima 3PH A2R 0.9pf NB 100kVA
9762T312	Maxima 3PH A2R 0.9pf NB 120kVA
9762T316	Maxima 3PH A2R 0.9pf NB 160kVA
9762T320	Maxima 3PH A2R 0.9pf NB 200kVA

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