

SOLLATEK MAXIMA 3PH A3R

UNINTERRUPTIBLE POWER SUPPLY
30 kVA TO 80 kVA

DESCRIPTION

The Sollatek Maxima Series 3-Phase UPS, from 30 kVA to 80 kVA, provides superior protection for critical systems with up to 99% efficiency and a 1.0 power factor. Its higher-density design reduces the footprint by 50%, ideal for space-saving. A powerful charger cuts charging time for quick recovery in demanding applications. With a predictable component lifetime, the system ensures reliability, while Optimised Battery Management (OBM) extends battery life by 50%, reducing replacements.

The adjustable 32-44 battery configuration offers flexibility for customised setups. The 5-inch colour touch LCD, available in 10 languages, provides a user-friendly interface. The robust design includes a dust-proof filter and PCBA coating for durability and reliable performance in harsh environments. Combining efficiency, flexibility, and protection, the Sollatek Maxima Series 3-Phase UPS delivers reliable, long-lasting 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

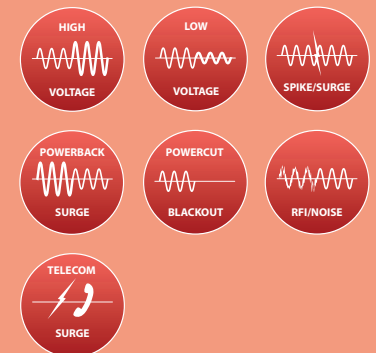
- **Advanced Efficiency:** Three-step IGBT PWM control technology with online mode efficiency up to 96%, and ECO mode efficiency up to 99%
- **Maximum Active Power:** Output power factor of 1.0, delivering more active power with minimal loss
- **Space-Saving Design:** Higher density reduces the footprint by up to 50%, making it ideal for compact environments
- **Fast Charging:** Powerful charger dramatically reduces charging time, enhancing system uptime and productivity
- **Optimised Battery Management:** OBM technology extends battery life by up to 50%, with flexible 32-44 battery for custom configurations
- **User-Friendly Interface:** 5-inch color touchscreen LCD with 10-language support for easy operation and monitoring
- **Durable Construction:** Robust design featuring a dust-proof filter and PCBA coating for added protection in demanding environments
- **Extended Backup Options (Battery not included):** Support for up to 4 external battery modules (EBMs) to extend backup time as needed



FEATURES



PROTECTION AGAINST



PROTECTION FOR



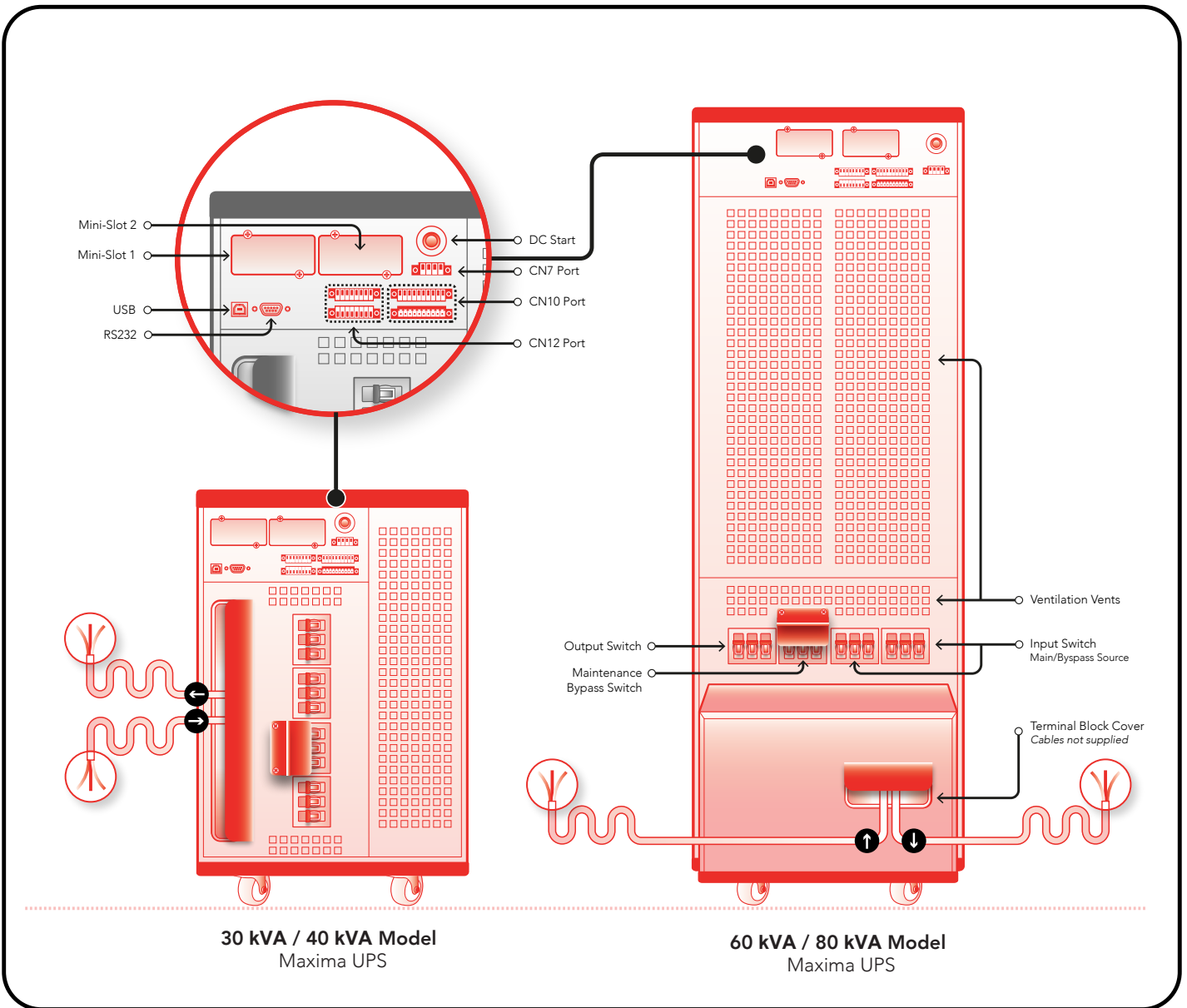
TECHNICAL SPECIFICATION

MAXIMA MODELS		30 kVA	40 kVA	60 kVA	80 kVA
Capacity (VA/W)		30000 VA / 30000 W	40000 VA / 40000 W	60000 VA / 60000 W	80000 VA / 80000 W
Efficiency	Online Mode	96%	96%	96%	96%
	ECO Mode	>99%	>99%	>99%	>99%
INPUT					
Topology		PWM, IGBT based			
Voltage Range		230/400 VAC Nominal (220/380, 240/415 Selectable)			
Rated Frequency		50/60 Hz (auto-sensing)			
Frequency Range		42–72 Hz			
Power Factor (PF)		0.99			
THDi		<3%			
OUTPUT					
Rated Voltage		230/400 VAC Nominal (220/380, 240/415 Selectable)			
Rated Frequency		50/60 Hz			
Maximum PF		1.0			
THDv		<2% linear load			
Crest Ratio		3:1 Max			
Overload (line mode)		102–110% load 60min, 111–125% load 10min, 126–150% load 1min, >150% load 150ms			
BYPASS					
Internal Static Switch		Standard			
Bypass Voltage		400 VAC (+/- 15%)			
Maintenance Bypass Switch		Standard			
BATTERY (Not Included)					
Battery Type		VRLA / NiCd / Lithium			
Byackup Time		Varies from battery capacity and load situation			
Battery		Depends on battery configuration			
Charger Current		20A / 30A / 40A / 60A / 80A max.			
Battery Voltage		432 VDC default, 320 V - 607 V			
Recharge Time		8 hours to 90%			
COMMUNICATION					
Interface		2x Mini-Slot, 1x Emergency Power Off Input (NC or NO), 3x Building Alarm Inputs, 1x RS232			
Com Cards (Optional)		NMC & CMC Cards, Relay Card, EMP			
REGULATION					
Safety		IEC/EN 62040-1			
EMC		IEC/EN 62040-2			
Performance		IEC/EN 62040-3			
Certification		CE			
PHYSICAL					
Unit Dimensions (WxDxH)		330 x 700 x 525 mm		330 x 772 x 977 mm	
Unit Weight		45 kg		96 kg	

i Battery is not included. 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.

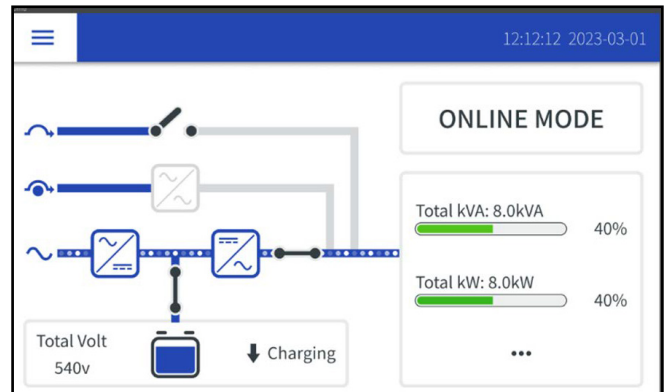


REAR PANEL



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

LCD DISPLAY



PRODUCT CODE	DESCRIPTION
9762T303	Maxima 3PH A3R 1.0pf NB 30kVA
9762T303-B	Maxima 3PH A3R 1.0pf B 30kVA
9762T304	Maxima 3PH A3R 1.0pf NB 40kVA
9762T304-B	Maxima 3PH A3R 1.0pf B 40kVA
9762T306	Maxima 3PH A3R 1.0pf NB 60kVA
9762T306-B	Maxima 3PH A3R 1.0pf B 60kVA
9762T308	Maxima 3PH A3R 1.0pf NB 80kVA
9762T308-B	Maxima 3PH A3R 1.0pf B 80kVA

SOLLATEK (UK) LIMITED
Sollatek House, Waterside Drive, Langley, Slough SL3 6EZ, United Kingdom
Tel: +44 (1753) 214 500
Email: sales@sollatek.com
Web: www.sollatek.com

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