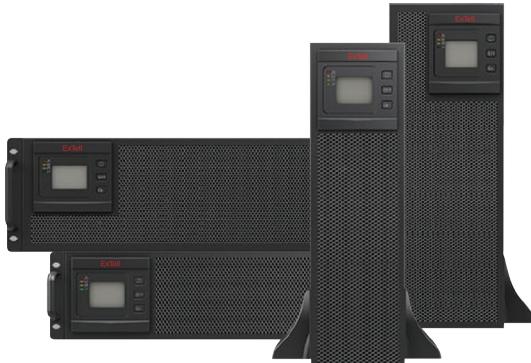


Magna RT Online UPS, 3:3 Phase, PF 1.0, 25 to 30 KVA

Reference Standard- Safety - IEC/EN62040-1, IEC/EN62477-1 EMC - IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8



Environment

Operating temperature	0°C~40°C	
Storage temperature	-25°C~55°C(no battery)	
Humidity range	0~95% (non condensing)	
Altitude	< 1500m. When >1500m, lower the rated power for use	
Noise level	<56dB	<58dB

Fully Digital Control

- Digital control process (DSP) makes the system more stable and reliable

Flexible Battery Configuration

- Batteries number of each group can be selected from 30 pieces to 50 pieces.

Strong Load Capacity

- Output power factor is 1.0, UPS can supply power to 100% unbalance load.

Parallel Redundancy Function

- Parallel redundancy design, up to 6 units available, makes the configuration more flexible
- Support sharing batteries for the UPS in parallel.

LBS Function

- Load Bus synchronization can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system

Flexible Installation

- Supports 19-inch rack mounting and tower mounting



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Power Saving

- High input power factor, it can be up to 0.99
- Three level inverter topology, the efficiency can be up to 95.5%

Intelligent Charging Method

- The series UPS adopts advanced three-stage charging method :
- stage-1: high current constant current charging to guarantee to charge back to 90%;
- stage-2: Constant Voltage, in order to vitalize battery and make sure batteries are fully charged
- stage-3: floating mode. With these three stage charging method, it extends the life of the batteries and guarantees fast charging.

Intelligent Monitoring Function

- RS232 / RS485 communication interface
- USB interface
- Parallel interface
- SNMP card(optional)
- Relay card (optional)
- Battery temperature compensation adapter (optional)

Safty and Reliable Protection

- Power up self-diagnosis function
- Output overload, output short circuit, inverter over temperature, battery under voltage warning and battery overcharge protection
- Static electronic bypass switches
- Cold (DC) start function
- Fan intelligent speed regulation design, prolong fan life, high efficiency and energy saving

EPO Function

- The series UPS may be completely shut off when the EPO is pressed. REPO function (Remote EPO) is also available in this series UPS.



Magna RT Online UPS, 3:3 Phase, PF 1.0, 25 to 30 KVA

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Technical Specifications

Model	E025MER33 (3U)		E030MER33 (3U)
Capacity (W)	25kVA 25kW		30kVA 30kW
Input			
Nominal Voltage		380/400/415Vac, (3Ph+N+PE)	
Operating voltage range		138~485Vac	
Operating frequency range		40Hz-70Hz	
Power Factor		≥0.99	
Harmonic distortion (THDi)		≤3% (100%non-linear load)	
Bypass voltage range		220Vac Max.voltage: +25%(optional +10%,+15%,+20%) 230Vac Max.voltage: +20%(optional +10%,+15%) 240Vac Max.voltage: +15%(optional +10%) Min. voltage: -45% (optional -20%,-30%) Frequency synchronize tracing range: ±10%	
Generator input		Support	
Output			
Output Voltage		380/400/415Vac (3Ph+N+PE)	
Voltage regulation		±1%	
Power factor		1.0	
Output Frequency	Line Mode	synchronize with input; when input frequency >±10% (±1%/±2%/±4%/±5% optional)	
	Bat. Mode	Battery Mode:50/60*(1±0.02%)Hz	
Crest factor		3:1	
Harmonic distortion (THDv)		≤2% with Linear load ≤4% with non linear load	
Efficiency			
Efficiency		95.5%	
Battery			
Battery Voltage		Optional Voltage: ±180V/±192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional) 360Vdc~600Vdc (30~50 pcs, 30 pcs define, 36~50 pcs no power derating; 32~34 pcs output power factor 0.9; 30 pcs output power factor 0.8;)	
Charge Current(A) (charge current can be set according to battery capacity installed)		Max. current 18A	
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms	
Overload		Load≤110%: last 60min,≤125%: last 10min,>150%: last 1min	
Alarm		Overload, utility abnormal, UPS fault, battery low, etc.	
Backfeed		Support	
Protection		Short circuit, overload, over temperature, battery low, fan fault alarm.	
Ports and Connectivity	10-30kVA	USB, RS232, RS485, Parallel port, Dry contact port, REPO port, Backfeed port, Intelligent slot, SNMP card (optional)	
	40-50kVA	USB, RS232, RS485, Parallel port, REPO port, LBS port, Backfeed port, Intelligent slot, SNMP card (optional), Relay card (optional)	
Physical			
Dimension W x D x H (mm)		670×440×130(3U)	
Net weight (kg)		27-28	

