



Eris Modular

RMX Series UPS (25-500kVA)

PRODUCT DESCRIPTION

The Eris Modular RMX series (25-500kVA) is a standard modular 19" mount online 3 phase input / 3 phase output double conversion UPS with full DSP control technology.

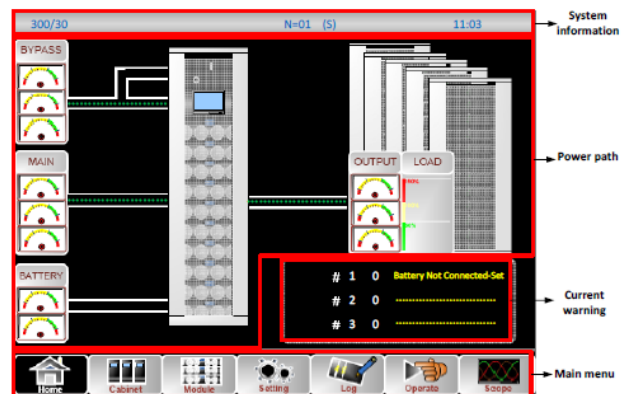
The double conversion architecture provides tight voltage regulation, frequency regulation, and zero transfer time to battery during power failure events.

KEY FEATURES

- **Online Double Conversion Topology**
Zero transfer time to battery mode
- **Advanced DSP Control Technology**
- **Highly Efficient @ >95%**
- **Modular, Flexible and Hot Swappable**
Standard 19" front mounting
- **Battery Cold Start Function**
Allows turn-on of unit at absence of utility
- **LCD Display**
Intuitive touch screen display for easy monitoring of operating parameters with graphic display
- **Fully Front Access**
Designed for top and bottom cable entry
- **Intelligent Battery Management**
Controlled and managed charging/discharging functions, improving battery life

APPLICATIONS

- ISP (Internet Service Provider)
- IDC (Internet Data Centre)
- Computer Room
- Service Centres
- Rack and Distributed Servers
- Sensitive Electronic Equipment
- Precision and Intelligent Equipment

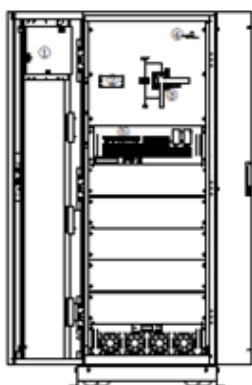


TECHNICAL SPECIFICATIONS

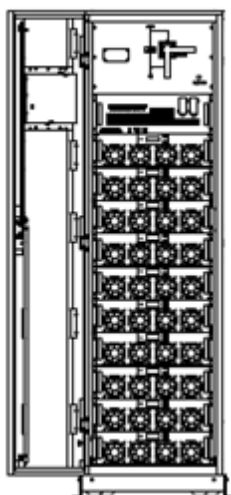
MODEL	Eris RMX500/25		Eris RMX250/25		Eris RMX150/25	
Capacity (kVA)	25-500kVA		25-250kVA		25-150kVA	
INPUT						
Rated Input Voltage	380/400/415Vac (Line-Line, 3-phase + Neutral + Ground)					
Frequency	50/60Hz					
Voltage Range	304Vac to 478Vac (Line-Line), Full Load 228Vac to 304Vac (Line-Line), linear decrease down to min phase voltage					
Frequency Range	40-70Hz					
Power Factor	>= 0.99					
THDi	THDi < 3% @ 100% linear load					
BYPASS INPUT						
Nominal Bypass Voltage	380/400/415Vac (3-phase, 4-wire)					
Rated AC Current	758A		379A		228A	
Frequency	50/60Hz					
Bypass Frequency Range	Settable, ±1Hz, ±3Hz, ±5Hz,					
Synchronized Range	Settable, ±0.5Hz to ±5Hz, default @ ±3Hz,					
Bypass Voltage Range	Settable, default @ -20% to +15%					
	Upper Limit: +10%, +15%, +20%, +25%					
	Lower Limt: -10%, -15%, -20%, -30%, -40%					
Bypass Overload	110% @ continuous operation					
	110% to 125% @ up to 5 mins					
	125% to 150% @ up to 1 min					
	150% to 400% @ up to 1s					
Current Rating of Neutral Cable	1.7 x In (A)					
Switch time (bypass & inverter)	Synchronized transfer - 0ms					
OUTPUT						
Voltage	380/400/415Vac (Line-Line)					
Frequency	50/60Hz (±0.1%)					
Power Factor	0.9					
Voltage Regulation	±1.5% (0-100% linear load)					
THDu (linear load)	<=1% (0-100% linear load)					
THDu (non-linear load)	<=6% (according to IEC/EN62040-3)					
Synchronized Range	Settable, ±0.5Hz to ±5Hz, default ±3Hz					
Synchronized Slew Rate	Settable, 0.5Hz/s to 3Hz/s, default ±0.5Hz/s					
Transient Response	<5% for step load (20% - 80% - 20%)					
Transient Recovery	<30ms for step load (0% - 100% - 0%)					
EFFICIENCY						
Normal Mode	>95%					
Battery Mode	>95%					
OVERLOAD CAPABILITY						
Overload (Inverter mode)	110%: transfer to bypass after 60 mins					
	125%: transfer to bypass after 10 min					
	150%: transfer to bypass after 1 min					
	>150%: transfer to bypass after 200ms					

TECHNICAL SPECIFICATIONS

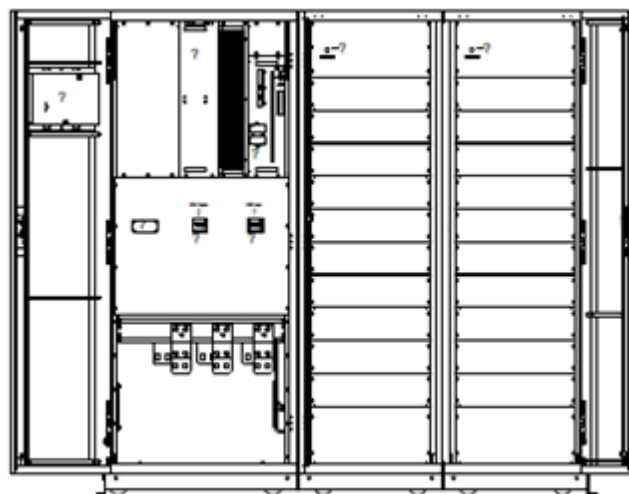
MODEL	Eris RMX500/25		Eris RMX250/25	Eris RMX150/25
BATTERY and CHARGER				
Nominal DC Voltage	±240Vdc			
Charging Voltage Regulation	±1%			
Charging Power	Max @ 20% of system power			
SYSTEM				
Display	LCD+LED, touch screen with keypad			
Interface	RS232, RS485, Dry contact, USB			
Option Interface	SNMP card, AS/400			
OPERATING ENVIRONMENT				
Humidity	0-95% RH (non-condensing)			
Operating Temperature	0°C to 40°C			
Storage Temperature	-40°C to +70°C			
Noise Level @ 1m	65dB @ 100% load, 62dB @ 45% load			
PHYSICAL (CABINET)				
Cabinet Type	20-module cabinet	10-module cabinet	6-module cabinet	
Unit Dimensions WxDxH (mm)	2000 x 1050 x 2000	600 x 1100 x 2000	600 x 1100 x 1600	
Unit Net Weight (kg)	660kg (not populated)	242kg (not populated)	178kg (not populated)	
Protection Level	IP20			
PHYSICAL (POWER MODULE))				
Power Module	PM25X			
Unit Dimensions WxDxH (mm)	460 x 790 x 134			
Unit Net Weight (kg)	33			



Front View of 6-module cabinet



Front View of 10-module cabinet



Front View of 20-module cabinet