



Eris Modular

RMX Series UPS (30-600kVA)

PRODUCT DESCRIPTION

The Eris Modular RMX series (30-600kVA) is a standard modular 19" mount online 3 phase input / 3 phase output double conversion UPS with full DSP control technology.

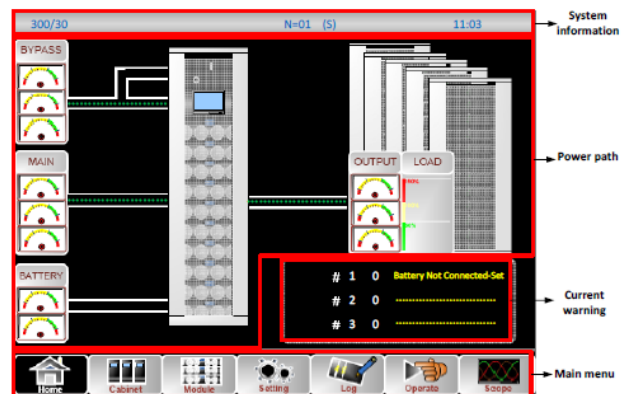
The double conversion architecture provides tight voltage regulation, frequency regulation, and zero transfer time to battery during power failure events.

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

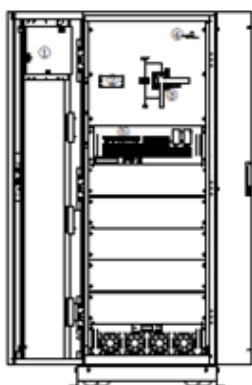


TECHNICAL SPECIFICATIONS

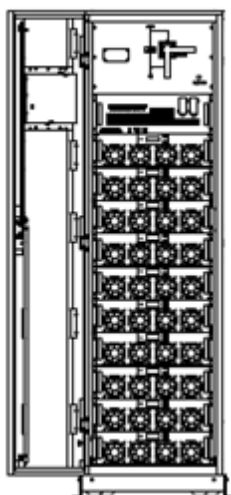
MODEL	Eris RMX600/30		Eris RMX300/30	Eris RMX180/30
Capacity (kVA)	30-600kVA		30-300kVA	30-180kVA
INPUT				
Rated Input Voltage	380/400/415Vac (Line-Line, 3-phase + Neutral + Ground)			
Frequency	50/60Hz			
Voltage Range	304Vac to 478Vac (Line-Line), Full Load 228Vac to 304Vac (Line-Line), linear decrease 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	909A	454A	273A	
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			

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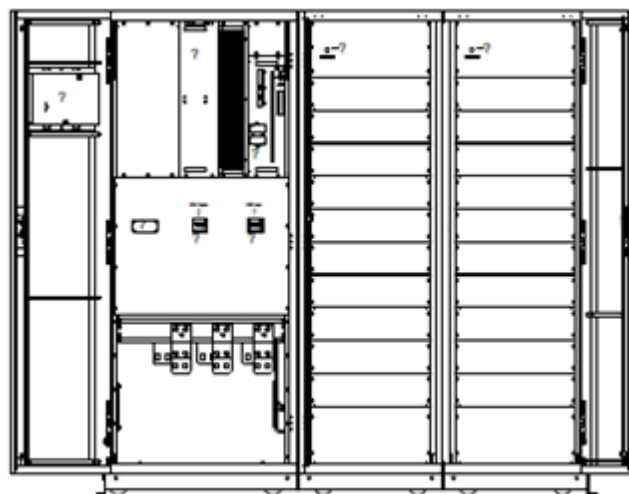
MODEL	Eris RMX600/30	Eris RMX300/30	Eris RMX180/30
BATTERY and CHARGER			
Nominal DC Voltage	±240Vdc		
Charging Voltage Regulation	±1%		
Charging Power	Max @ 20% of system power		
SYSTEM			
Display	LCD+LED, touch screen with keypad		
Interface	RS232, RS485, Dry contact, USB		
Option Interface	SNMP card, 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	PM30X		
Unit Dimensions WxDxH (mm)	460 x 790 x 134		
Unit Net Weight (kg)	34		



Front View of 6-module cabinet



Front View of 10-module cabinet



Front View of 20-module cabinet