



Eris Modular

RMX Series UPS (10-90kVA)

PRODUCT DESCRIPTION

The Eris Modular RMX series (10-90kVA) is a standard modular 19" mount online double conversion UPS with full DSP control technology, allowing flexible configurations of 3/3, 3/1/ and 1/1.

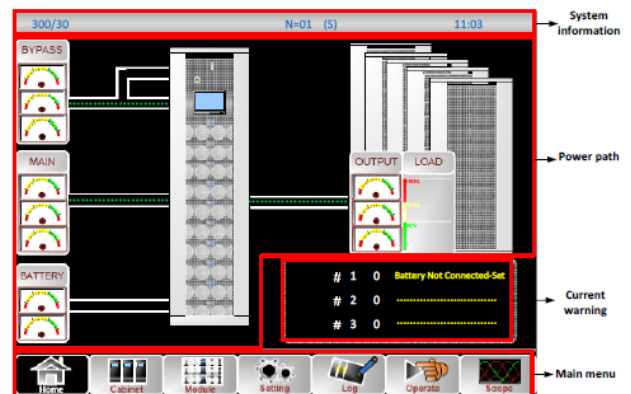
The double conversion architecture provides tight voltage regulation, frequency regulation, and zero transfer time to battery during power failure events.

KEY FEATURES

- **Online Double Conversion Topology**
Zero transfer time to battery mode
- **Advanced DSP Control Technology**
- **Highly Efficient @ 95%**
- **Modular, Flexible and Hot Swappable**
Scalable, standard 19" mount with flexible configurations of 3/3, 3/1/ and 1/1
- **Smart Sleep Function**
Intelligently shuts down power modules to achieve higher efficiency
- **LCD Display**
Intuitive touch screen display for easy monitoring of operating parameters with graphic display
- **Integrated Solution for Data Centre**
Solution integrated with battery cabinet and PDU
- **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

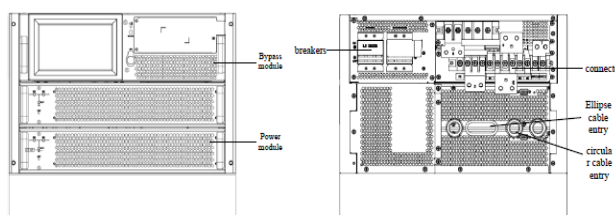


TECHNICAL SPECIFICATIONS

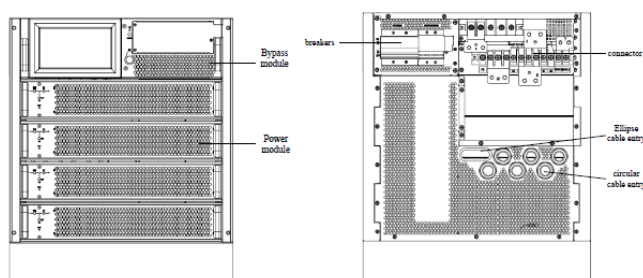
MODEL	Eris RM020/10X	Eris RM040/10X	Eris RM060/10X	Eris RM030/15X	Eris RM045/15X	Eris RM090/15X
Capacity (kVA/kW)	10-60kW			15-90kW		
INPUT						
Rated Input Voltage	380/400/415Vac (Line-Line)					
	220/230/240Vac (Line-Neutral)					
Frequency	50/60Hz					
Voltage Range	-40% of nominal voltage up to 276Vac (Line-Neutral), (-20%, -30%, -40% selectable) 228Vac to 478Vac (Line-Line), 304Vac to 228Vac power de-rating from 100% to 80%					
Frequency Range	40-70Hz					
Power Factor	>= 0.99					
Current THDi	4%					
BYPASS INPUT						
Nominal Bypass Voltage	380/400/415Vac (Line-Line)					
	220/230/240Vac (Line-Neutral)					
Frequency	50/60Hz					
Bypass Voltage Range	Default @ -20% to +15% (selectable @ -40% to +25%)					
Bypass Overload	125% @ continuous operation			110% @ continuous operation		
	125% to 130% @ up to 10 mins			110% to 130% @ up to 5 mins		
	130% to 150% @ up to 1 min			130% to 150% @ up to 1 min		
	>150% @ up to 300ms			>150% @ up to 300ms		
OUTPUT						
Voltage	380/400/415Vac (Line-Line)					
	220/230/240Vac (Line-Neutral)					
Frequency	50/60Hz					
Power Factor	1					
Voltage Regulation	±1.5%					
Phase Tolerance	120° ± 0.5° (balance and unbalance load)					
THDu (linear load)	<=1%					
THDu (non-linear load)	<=5.5%					
Crest Ratio	3:1					
EFFICIENCY						
Normal Mode	95% max					
ECO Mode	99%					
Battery Mode	94.5%					
OVERLOAD CAPABILITY						
Overload (Inverter mode)	Up to 102%: continuous operation					
	110%: transfer to bypass after 60 mins					
	125%: transfer to bypass after 10 mins					
	150%: transfer to bypass after 1 min					
	>150%: transfer to bypass after 200ms					
BATTERY and CHARGER						
Nominal DC Voltage	±240Vdc					
Charging Voltage Regulation	±1%					
Charging Power	Max @ 20% of system power					

TECHNICAL SPECIFICATIONS

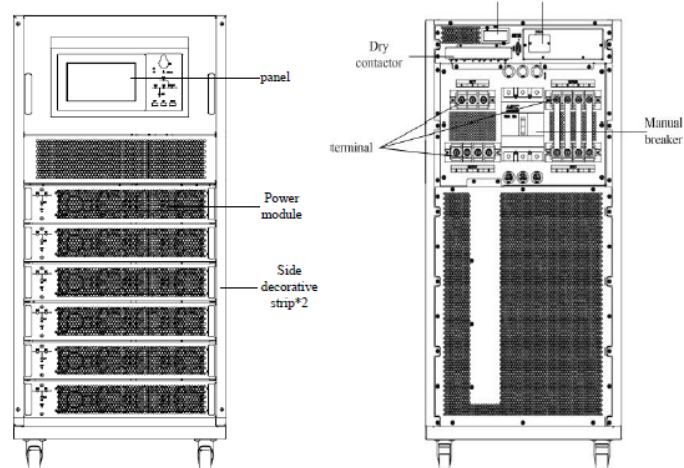
MODEL SYSTEM	Eris RM020/10X Eris RM040/10X Eris RM060/10X Eris RM030/15X Eris RM045/15X Eris RM090/15X					
Display	7" LCD touch screen display + LED					
Language	Chinese, English, Turkish, Korean, Russian, Polish, Portuguese					
IP Rating	IP20					
Interface	RS232, RS485, dry contact, EPO, Parallel					
	Optional: SNMP card					
Installation/Connection	Back or Bottom Cable Entry					
OPERATING ENVIRONMENT						
Humidity	0-95% RH @ 0-45°C (non-condensing)					
Operating Temperature	0°C to 45°C					
Storage Temperature	-40°C to +70°C					
Noise Level @ 1m	< 56dB			< 58dB		
CERTIFICATIONS						
Standards	EN/IEC 62040-1, EN/IEC 62040-2, EN 61000-3-11/12, EN 61000-4-2/3/4/5/6/8/11, EN 61000-2-2					
PHYSICAL						
Unit Dimensions WxDxH (mm)	485x697x398	485x697x575	485x751x1033	485x697x398	485x697x575	485x751x1033
No. of Rack Units (UPS Equipment)	7U	11U	22U	7U	11U	22U
Unit Net Weight (kg)	42	51	85	42	57	85
Power Module	PM10X: 436x590x85 (mm) / 15.5kg			PM15X: 436x590x85 (mm) / 15.5kg		



Dimensions of 2-module cabinet



Dimensions of 4-module cabinet



Dimensions of 6-module cabinet

Due to continuous product development, specifications are subject to change without prior notice

Rev04