

TRIMOD 8kVA – 20kVA

The TRIMOD series consists of modular UPS units which can be individually programmed with preferred input/output configuration making it possible to manage single or three phase input and output as either:

- Single phase → single phase
- Single phase ↔ three phase
- Three phase → three phase

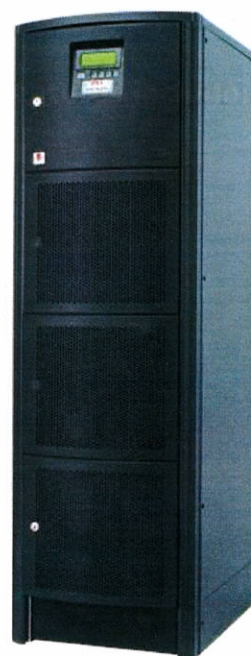
It is possible to run lines simultaneously at different magnitudes and phase power. For each configuration you can choose complete or partial redundancy, as each module is fitted with a microcontroller which supervises the circuit board's main functions, monitors operation, communicates the main control board and signals any malfunction.

The hot-swappable batteries are easy to replace and maintain being stored in slide out drawers; this also makes it easy to select or expand UPS autonomy.

Model	Capacity
TRIMOD 8	8kVA / 6.4kW
TRIMOD 10	10kVA / 8kW
TRIMOD 16	16kVA / 12.8kW
TRIMOD 20	20kVA / 16kW

Some key features include:

- Standard maintenance bypass
- On-line, double conversion technology
- Hot-swappable batteries
- Plug and play design
- Individual input/output configuration
- 50/60Hz Autosensing
- Independent power modules
- Microprocessor controlled
- Expandable for longer back-up



Product Specifications

Model	TRIMOD 8	TRIMOD 10	TRIMOD 16	TRIMOD 20	
Capacity	8kVA	10kVA	16kVA	20kVA	
	6.4kW	8kW	12.8kW	16kW	
Input	Voltage 230V (Single-phase) / 400V (Three-phase + N) +15% -20%				
	Frequency 50/60Hz (Auto Sensing)				
	Input Current THD ≤ 3%				
	Input Power Factor > 0.99				
Output	Voltage 230V / 400V ± 1%				
	Frequency (Battery) 50Hz OR 60Hz synchronised				
	Overload Capacity 125% for 5 Minutes OR 150% for 30sec				
Efficiency	Mains AC/AC on line 93% max.				
	Mains AC/ACECO mode 98%				
	Battery (DC/AC) 93% max.				
	Design Technology On-line, double conversion				
	Output Waveform Sinusoidal				
	Crest Factor 3.5:1				
Protection	Surge Protection YES				
	Overload Protection YES				
	Excessive Battery Discharge YES				
	Short Circuit YES				
	EPO contact YES				
Battery	Type Hot swappable, slide-out drawer design				
	Extendable YES internal and external				
	Installed Power Modules	2.7kVA x 3	3.4kVA x 3	2.7kVA x 6	3.4kVA x 6
	Installed Battery Drawers	Subject to runtime selection			
Physical	I/O Connectivity Terminal board on Omega bar				
	Bypass Static & electrochemical on each module, independent of one another, general automatic and manual (for maintenance)				
	LCD Display Real-time monitoring, multicolour status indicator, alarm sound warning				
	Dimensions 414 x 1345 x 628 mm				
	W x D x H 16.3" x 53.0" x 24.7"				
Net Weight Kg (lbs.)	110 (242.5)		130 (286.6)		

Interface	RS232	YES x 2
	Logic Level Port	YES x 1
	Dry Contacts	YES x 4 (relay contacts, NC/NO selectable)
	SNMP adapter slot	YES x 1
System	Visual display	Back-lit LCD with alphanumeric display and real-time monitoring of UPS
	Software	UPS communicator (downloadable for free www.metasystems.it)
	Isolation Transformer	OPTIONAL
Environment	Operating Temperature	0 – 40°C (32 – 104°F)
	Relative Humidity	20 – 80% non-condensing
	Audible Noise	42 - 46dBA (1 metre from surface)
Standards		EN 62040-1-1
		EN50091-2
		EN 62040-3