TRIMOD 8kVA – 20kVA

Alphapower

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 / 6.4kW	10kVA / 8kW	16kVA / 12.8kW	20kVA / 16kW
Input	Voltage	230V (Single-phase) / 400V (Three-phase + N) +15% -20%			
Input	Frequency	50/60Hz (Auto Sensing)			
Input	Input Current THD	≤ 3%			
Input	Input Power Factor	> 0.99			
Output	Voltage	230V / 400V ± 1%			
Output	Frequency (Battery)	50Hz OR 60Hz synchronised			
Output	Overload Capacity	125% for 5 Minutes OR 150% for 30sec			
Output	Efficiency – Mains AC/AC on line	93% max.			
Output	Efficiency – Mains AC/AC ECO mode	98%			
Output	Efficiency – Battery (DC/AC)	93% max.			
Output	Design Technology	On-line, double conversion			
Output	Output Waveform	Sinusoidal			
Output	Crest Factor	3.5:1			
Protection	Surge Protection	YES			
Protection	Overload Protection	YES			
Protection	Excessive Battery Discharge	YES			
Protection	Short Circuit	YES			
Protection	EPO contact	YES			
Battery	Type	Hot swappable, slide-out drawer design			
Battery	Extendable	YES internal and external			
Battery	Installed Power Modules	2.7kVA x 3	3.4kVA x 3	2.7kVA x 6	3.4kVA x 6
Battery	Installed Battery Drawers	Subject to runtime selection			
Physical	I/O Connectivity	Terminal board on Omega bar			
Physical	Bypass	Static & electrochemical on each module, independent of one another, general automatic and manual (for maintenance)			
Physical	LCD Display	Real-time monitoring, multicolour status indicator, alarm sound warning			
Physical	Dimensions W x D x H	414 x 1345 x 628 mm / 16.3" x 53.0" x 24.7"			
Physical	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^{0}C (32 – 104^{0}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