

TRIMOD 30kVA – 60kVA

Alphapower

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

It is possible to run lines simultaneously at different magnitudes. 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.

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



Model	Capacity
TRIMOD 30	30kVA / 24kW
TRIMOD 45	45kVA / 36kW
TRIMOD 60	60kVA / 48kW

Product Specifications

TRIMOD Model		TRIMOD 30	TRIMOD 45	TRIMOD 60
	Capacity	30kVA	45kVA	60kVA
		24kW	36kW	48kW
Input	Voltage	400V (Three-phase + N) +15% -20%		
	Frequency	50/60Hz (Auto Sensing)		
	Input Current THD	3%		
	Input Power Factor	> 0.99		
Output	Voltage	400V ± 1%		
	Frequency (Battery)	50Hz OR 60Hz synchronised		
	Overload Capacity	125% for 2 Minutes OR 150% for 30sec		
	Efficiency	Mains (AC/AC on line)	93% max.	
		Mains (AC/AC ECO mode)	98%	
		Battery (DC/AC)	93% max.	
	UPS 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	3.4kVA x 9	5kVA x 9	5kVA x 12
	Installed Battery Drawers	Subject to runtime selection		
Physical	Input/output 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 mm	2* 414 x 1345 x 628	2* 414 x 1645 x 628	
	W x D x H	2* 16.3” x 53” x 24.7”	2*16.3” x 64.8” x 24.7”	
	Net Weight Kg (lbs.)	154 -70 (339.5 – 154.3)	165 – 75 (363.7 – 165.3)	194 – 75 (427.7 – 165.3)

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