

plus Enigma

4KVA • 8KVA • 12KVA • 16KVA • 20KVA • 24KVA
(Modular Architecture)



Model Features

- Individual Module of 4KVA each. Parallel up to 8KVA, 12KVA, 16KVA, 20KVA, 24KVA.
- N + X Parallel Redundancy is Achieved by Adding Power Modules
- Digital Signal Processor & Pure Sine wave Output Design with Multiple Communication Ports increasing Flexibility, Functionality and Reliability
- Short MTTR (Mean Time To Repair) of 30 minutes for Maximum Uptime Availability
- Hot Swappable Modules in 19" Rack Enclosure
- Fully Microprocessor Intelligent LCD Display
- Compact and Lightweight
- SNMP Manageability
- Optional Extended Battery Pack for Longer Autonomy
- Scalable On-Line Three Phase or Single Phase Input & Single Phase Output

TAMCO SYSTEMS

Suggested Applications

Network Stations; UNIX Workstations;
CAD/CAM/CAE Workstations; Departmental Server;
Desktop Servers; Small Business Servers; PCs

Other Power Protection and Service Options



Switchgear



Energy Storage



Dual Bus Static Switch



Service & Monitoring

TECHNICAL SPECIFICATIONS

Double Conversion N + X Parallel Redundant Power Modules Online UPS from 4KVA to 24KVA

Model	Vplus Enigma		
Capacity	4 ~ 24kVA		
Input			
Single / Three Phase	Single Phase	Three Phase	
Wiring	1 Φ 2W + G	3 Φ 4W + G	
Voltage	Loaded > 70%	(160 ~ 300) VAC	(277 ~ 520) VAC
	70% = loaded > 50%	(140 ~ 300) VAC	(242 ~ 520) VAC
	Loaded = 50%	(118 ~ 300) VAC	(204 ~ 520) VAC
Input Frequency	50/60 (1 \pm 8%) Hz		
Power Factor	0.98		
Bypass	(80 ~ 264) VAC	(140 ~ 457) VAC	
Output			
Phase	Single		
Wiring	1 Φ 2W + G		
Voltage	110* / 220 (1 \pm 2%) VAC		
Power Factor	0.7		
Output Frequency	Same as Input Frequency		
	50 / 60 (1 \pm 0.5%) Hz (battery module)		
Overload Capacity	110 – 130%, after 30 second transfer to bypass > 130%, after 2 second transfer to bypass		
Module Capacity / each			
Module Capacity / each	4 KVA		
Output Capacity	4 KVA x number of module		
External Battery	120 VDC (10 battery per pack)		
Connect to Generator	Yes		
Interface	RS232, RS485, Intelligent Slot		
Weight			
Module	15kgs		
Chassis	75kgs		
Chassis & Down-Voltage ISO Transformer (option)	211kgs		
Dimension			
Module Dimension (W x D x H)	405 x 533 x 87 mm		
Chassis Dimension (W x D x H)	442 x 700 x 965 mm		
Chassis & Down-Voltage ISO Transformer Dimension (W x D x H)	442 x 700 x 1265 mm		

* Optional Isolation Box

Specifications subject to change without notice

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