

max GriPower



15KVA • 30KVA • 45KVA • 60KVA • 75KVA • 90KVA • 105KVA • 120KVA
(Modular Architecture)



Model Features

- Individual Module of 15KVA each. Parallel up to 120KVA.
- 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 less than 5 minutes for Maximum Uptime Availability
- Pure Sine Wave Input Current THD < 5%
- High Input Power Factor of 0.99
- Hot Swappable Modules in 19" Rack Enclosure
- Fully Microprocessor Intelligent LCD Display
- Compact and Lightweight
- SNMP Manageability
- Scalable On-Line Three Phase Input & Output
- Optional Extended Battery Pack for Longer Autonomy
- Optional Power Distribution Unit
- Optional Isolation Transformer

TAMCO SYSTEMS

Suggested Applications

Data Centers, Computer Rooms, Mission Critical IT Servers Rooms, Telecommunications and Broadcasting.

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 15KVA to 120KVA		
Model	Vmax GriPower	
Capacity	15 ~ 120kVA	
Input		
Phase	Three Phase	
Wiring	3 Φ 4W + G	
Voltage	70% < load \leq 70%	(277 ~ 520) VAC
	50% < load \leq 70%	(242 ~ 520) VAC
	Load \leq 50%	(204 ~ 520) VAC
Input Frequency Range	40 ~ 70 Hz (line mode)	
Input Power Factor	> 0.99 (6 UPS modules)	
Input THDi	< 5%	
Input Current	159.2A Nominal current / 243.6A Maximum current	
Output		
Phase	Three Phase	
Output Voltage Range	372.4 ~ 387.6 V	
Output Power	90kVA / 72kW (15kVA/12kW for single UPS module)	
Output Power Factor	0.5 ~ 1	
Output Frequency	Same as Input Frequency for Line mode ; 50/60Hz for Battery mode	
Overload Capability	Line Mode	110% < load \leq 130%, transfer to bypass after 10 mins 130% < load \leq 150%, transfer to bypass after 1 min load > 150%, transfer to bypass after 0.5 sec
	Battery Mode	110% < load \leq 130%, shutdown after 10 mins 130% < load \leq 150%, shutdown after 1 min load > 150%, shutdown after 0.5 sec
Battery and Charger		
Nominal Battery Voltage	\pm 240Vdc	
Battery Shutdown Voltage	\pm 204Vdc	
Over Voltage Protection	\pm 320Vdc	
Floating Charging Voltage	\pm 274Vdc	
Charging Power	14.4kW (6 UPS modules)	
DC Input Current	200A (6 UPS modules with full load)	
Maximum DC Input Current	260A (6 UPS modules)	
Charging Time	12 hours (2 hours discharge with full load)	
Environment		
Working Temperature	0 ~ 40 °C	
Working Altitude	< 1000m (derating when exceeding this altitude)	
Relative Humidity	20% ~ 90%	
Storage Temperature	-15 ~ 45 °C	
Acoustic Noise	< 62 dB (measured at 1meter in front of panel)	
Weight		
Single UPS module	35kg	
Whole UPS with transformer	820kg (6 UPS modules + transformer)	
Whole UPS w/o transformer	420kg (6 UPS modules)	
Cabinet	210kg	
Dimension		
Module Dimension (W x D x H)	440x700x131 mm	
Outline Dimension (W x D x H)	600 x 1000 x 2000 mm	

Specifications subject to change without notice

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