

prime

10KVA • 15KVA • 20KVA • 25KVA • 30KVA • 40KVA

Digital based architecture protects server and network applications from spikes, sags, surges, noise and lightning disturbances.



Features

- On line double conversion topology
- Transformer-less design for reduced footprint
- Active 12 pulse filter (option) for low THDi
- IGBT switching technology
- Wide input tolerance
- Built-in manual bypass switch
- High efficiency
- LCD display and audible alarms
- Energy saving "Power Save Mode"
- 200 History and Event logging
- Fully front access for ease of service
- Full connectivity option
- Parallel capability up to 8 units

Suggested Application

Data Centers; Server Farms; Telecommunications and Broadcasting; Industrial Controls; Process Machinery; Automation Equipment; Transportation and Security

Other Power Protection and Service Options



Switchgear



Energy Storage

Dual Bus
Static Switch

Service & Monitoring

TAMCO SYSTEMS

TECHNICAL SPECIFICATIONS

Nominal Power (KVA)	10	15	20	25	30	40
Active Power (KW)	8	12	16	20	24	32
Input Characteristic						
Input Nominal Voltage	380 / 400 / 415 V					
Input Voltage Range	300 – 480 Vac (330 to 480 Vac full charge capability)					
Nominal Frequency	50/60 Hz					
Input Frequency Range	40 – 70 Hz					
Power Factor	0.95					
Soft Start	10 sec					
DC Link						
Nominal DC Voltage	384Vdc					
No of Cell	192					
Maximum Inverter Input Current	27.7A	41.6A	54.9A	68.6A	82.4A	108.6A
Output Characteristics						
Output Nominal Voltage	380 / 400 / 415 V					
Output Voltage Regulation	< 1%					
Dynamic Response	< 4%					
Recovery Time	< 30 ms					
Output Frequency	50/60 Hz					
Frequency Regulation (Free Running)	Free running $\pm 0.005\%$, Sync to mains $\pm 1\%$, $\pm 4\%$ user selectable					
Output Voltage Total Harmonic Distortion (THD)	< 3% (linear load), < 5% (non-linear load)					
Current Overload Capability	Inverter: 125% for 10 mins, 150% for 10 sec.; Bypass: 150% for 30 mins, 1000% for 100ms					
Short Circuit Rating	300% < 3 sec					
Systems Efficiency						
DC to AC	94%					
AC to AC	90%	90%	91%	91%	91%	92%
Environmental						
Ambient Temperature	0 ~ 40 °C					
Relative Humidity	< 95% non condensing					
Altitude	1000 m without derating					
Audible Noise @ 1 metre	<52 dBA					<65 dBA
Design Standard						
Design Standard	IEC 146-4, EN50091-1, IEC 950					
RFI/EMC	EN50091-2 Class A, Class B Optional IEC801-2, IEC801-3, IEC801-4					
Physical Dimension						
Dimension (WxDxH)	530 x 950 x 1220 mm					
Weight Without Battery	220 kg	230 kg	240 kg	240 kg	290 kg	

Specifications subject to change without notice

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