

prime

160KVA • 200KVA • 250KVA • 400KVA

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



Model Features

- On line double conversion topology
- 0.99 Input Power Factor
- Built-in manual bypass switch
- Front end option for low THDi
- Automatic battery self-test
- RS 232 – RS 485 serial interface
- High instantaneous overload capability
- High efficiency @ low loading
- Parallel for capability or redundancy of up to 8 units
- Modularity built and fully front access
- Reduced footprint
- Full connectivity option

TAMCO SYSTEMS

Suggested Applications

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

TECHNICAL SPECIFICATIONS

Nominal Output Power (KVA)	160	200	250	400
Nominal Output Power (KW)	128	160	200	320
Input Characteristics				
Input Nominal Voltage (Volt)	380 / 400 / 415 V			
Input Voltage Range	300 – 480 Vac (330 to 480 Vac full charge capability)			
Nominal Frequency (Hz)	50 / 60 Hz			
Input Frequency Range	40 Hz – 70 Hz			
Input Power Factor	0.99	0.99	0.99	0.99
Input Power Nominal (KVA)	8.3	10.4	15.9	22.9
DC Link				
Nominal DC Voltage (Vdc)	480 Vdc			
No of Cell	240 cells			
Boost Voltage	555 Vdc			
Output Characteristics				
Output Voltage (Volts)	380 / 400 / 415 V			
Output Voltage Regulator	< 1%			
Dynamic Response	< 6%			
Recovery Time	< 50 ms			
Output Frequency	50 / 60 Hz			
Frequency Regulation (Free Running)	Free running +/- 0,005%, Sync to mains +/- 1%, +/- 4% user selectable			
Output Voltage Distortion	< 3% (linear load), < 7% (non-linear load)			
Overload	125% for 10 mins, 150% for 5 sec			
Crest Factor	3:1			
Systems Efficiency				
Efficiency at 100% load (%)	> 94.5%			
Environmental				
Ambient Temperature	0 ~ 40 degrees Celsius			
Relative Humidity	< 95 % non condensing			
Altitude	1000m. without Derating			
Audible Noise @ 1 metre	< 65 dB(A)		< 70 dB(A)	
Design Standard				
Design Standard	IEC 146-4, EN50091-1, IEC 950			
RFI/EMC	EN50091-2 Class A, IEC801-2, IEC801-3, IEC801-4			
Physical Dimension				
Dimension UPS + Heat Exchanger (WxDxH)	1150 x 800 x 1800		1700 x 800 x 1800	
Dimension Heat Exchanger	250 x 800 x 1800		500 x 800 x 1800	
Weight Without Battery (Kg)	960	1010	1210	1610

Specifications subject to change without notice

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