

prime

60KVA • 80KVA • 100KVA • 120KVA

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

TAMCO SYSTEMS

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

TECHNICAL SPECIFICATIONS

| | | | | |
|--|--|---------|---------|---------|
| Nominal Power (KVA) | 60 | 80 | 100 | 120 |
| Active Power (KW) | 48 | 64 | 80 | 96 |
| 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 | | | | |
| DC Nominal Voltage | 384Vdc | | | 480Vdc |
| No of Cell | 192 | 192 | 192 | 240 |
| Maximum Inverter Input Current | 163A | 215A | 267A | 260A |
| Output Characteristics | | | | |
| Output Nominal Voltage | 380 / 400 / 415 V | | | |
| Output Voltage Regulation | < 1% | | | |
| Dynamic Response | < 6% | | | |
| Recovery Time | < 50 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), < 7% (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 | 200% per < 5 sec | | | |
| Systems Efficiency | | | | |
| AC to AC | > 92% | > 92.5% | > 93% | > 93.8% |
| Environmental | | | | |
| Ambient Temperature | 0 ~ 40 ° C | | | |
| Relative Humidity | < 95% non condensing | | | |
| Altitude | 1000 m. without Derating | | | |
| Audible Noise @ 1 meter | <60 dBA | <60 dBA | <60 dBA | <65 dBA |
| 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 (WxDxH) | 700 x 750 x 1800 mm | | | |
| Weight Without Battery | 325 kg | 360 kg | 390 kg | 480 kg |

Specifications subject to change without notice

Tamco Systems (Singapore) Pte Ltd

No. 5 Penjuru Close
Singapore 608600
Tel: (65) 6862 3777
Fax: (65) 6862 8628
sales@tamcosystems.com.sg

Tamco Systems (Malaysia) Sdn Bhd

No. 35 Persiaran Industri, Bandar Sri Damansara
52200 Kuala Lumpur, Malaysia
Tel: (603) 6276 8732
Fax: (603) 6272 1137
sales@tamcosystems.com.my

Tamco Systems (Hong Kong) Ltd

Unit 2, 33rd floor, Cable TV Tower
9 Hoi Shing Road
Tsuen Wan, New Territories, Hong kong
Tel: (852) 2833 6966
Fax: (852) 2838 0724
sales@tamcosystems.com.hk

Tamco Systems Technology (Shanghai) Co., Ltd

Room 203 Building 5
108 ShangCheng Road, Pudong District,
Shanghai, P.R. China 200120
Tel: (86) 21 5882 3281
Fax: (86) 21 5887 4636
sales@tamcosystems.com.cn

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