

POWER-BOOST

THREE-PHASE [TT]

PREMIUM



Tower



Maxi Tower

| Power | 9 kVA | 15 kVA | 21 kVA | 30 kVA | 45 kVA (Option A) | 45 kVA (Option B) | 60 kVA | 80 kVA | 100 kVA | 150 kVA |
|---|---|-------------------------|-------------------------|-------------------------|----------------------|--|--------------------------|---------------------------|---------------------------|-----------------------|
| Electronic Architecture / Transformers | Half Bridge Inverter, autotransformer or isolation transformer | | | | | Full Bridge Inverter, autotransformer in input and isolation transformer in output | | | | |
| Full Load Efficiency | > 93% | | | | | | | | | |
| VOLTAGE | | | | | | | | | | |
| Input Range [PH-PH] | 350 – 440 Vac | | | | | | | | | |
| Output Ranges and Switch Mode [PH-PH] | LOW 3-260Vac HIGH 6-520Vac | | | | | | | | | |
| Regulation System [PH-PH] | Manual and Automatic Switch LOW/HIGH through control panel | | | | | | | | | |
| Sensing | Local [Command Buttons] and Remote [Interfaces]: 3-260Vac and 6-520Vac | | | | | | | | | |
| Total Harmonic Distortion (THD) | Yes - (Maximum Voltage Drop 5%) | | | | | | | | | |
| Static Line Regulation | < 1% | | | | | | | | | |
| Static Load Regulation | < 1% | | | | | | | | | |
| Dynamic stability of the output voltage upon load variation | < 0.5% | | | | | | | | | |
| Time Response to load or line variation | < 1ms | | | | | | | | | |
| CURRENT | | | | | | | | | | |
| Max Current Setup | Yes | | | | | | | | | |
| Regulation Function | Yes | | | | | | | | | |
| RMS at 150Vac and 300Vac | 3 x 20 A / 3 x 10 A | 3 x 33,3 A / 3 x 16,6 A | 3 x 46,6 A / 3 x 23,3 A | 3 x 66,6 A / 3 x 33,3 A | 3 x 100 A / 3 x 50 A | 3 x 100 A / 3 x 50 A | 3 x 133,3 A / 3 x 66,6 A | 3 x 177,7 A / 3 x 88,8 A | 3 x 222,2 A / 3 x 111,1 A | 3 x 333,3 A / 166,6 A |
| Inrush at 150Vac and 300Vac [6s] | 3 x 30 A / 3 x 15 A | 3 x 50 A / 3 x 25 A | 3 x 70 A / 3 x 35 A | 3 x 100 A / 3 x 50 A | 3 x 150 A / 3 x 75 A | 3 x 150 A / 3 x 75 A | 3 x 200 A / 3 x 100 A | 3 x 266,6 A / 3 x 133,3 A | 3 x 333,3 A / 3 x 166,6 A | 3 x 500 A / 3 x 250 A |
| FREQUENCY | | | | | | | | | | |
| Input Range | 47Hz - 63Hz | | | | | | | | | |
| Output (switchable) | 50Hz and 60 Hz [± 0,001%] | | | | | | | | | |
| Additional Output Value (switchable) | 400Hz [± 0,001%] | | | | | | | | | |
| Regulation Function (adjustable) | from 40Hz to 80Hz [± 1% with 4 x 40 LCD control panel] [± 0,001% with 7" LCD touch screen] | | | | | | | | | |

| Power | 9 kVA | 15 kVA | 21 kVA | 30 kVA | 45 kVA (Option A) | 45 kVA (Option B) | 60 kVA | 80 kVA | 100 kVA | 150 kVA |
|--|--|------------------------|------------------------|------------------------|----------------------|----------------------|------------------------|-------------------------|-------------------------|-------------------------|
| PHASES | | | | | | | | | | |
| Offset Modulation | 0° - Three-Phases synchronization to attain a single-phase output [TS working mode] 120° - European Three-Phase working mode [TT working mode] 180° - American Two-Phase working mode | | | | | | | | | |
| OTHERS | | | | | | | | | | |
| Crest factor | 04:01 | | | | | | | | | |
| Noise level | 60dBA | | | | | | | | | |
| Power Protections | OVP, UVP, OCP, OTP | | | | | | | | | |
| CONTROL PANEL | | | | | | | | | | |
| LCD Display | [4 x 40 characters] | | | | | | | | | |
| Voltage and current LCD Display accuracy | ± 2 DIGIT | | | | | | | | | |
| Voltage and current LCD Display resolution | ± 0.1 | | | | | | | | | |
| Cos φ value visualization | Yes | | | | | | | | | |
| Frequency value visualization | Yes | | | | | | | | | |
| 7" LCD Touch Panel Control | Optional | | | | | | | | | |
| COMMUNICATION INTERFACES | | | | | | | | | | |
| 0-10Vdc | Standard [Accuracy Response ± 1%] | | | | | | | | | |
| Serial Port RS232 | RS232 or Ethernet. No both at the same time. | | | | | | | | | |
| Ethernet Port | | | | | | | | | | |
| Communication Protocols | SCPI and LabView Drivers | | | | | | | | | |
| Reference Voltage of remote controls | Common ground with ground line | | | | | | | | | |
| MECHANICAL (auto transformer / isolation transformer) | | | | | | | | | | |
| Plate Dimensions (L x H x D) | - | - | - | - | - | - | - | - | - | - |
| Plate Weight | - | - | - | - | - | - | - | - | - | - |
| Rack 19" Dimensions | - | - | - | - | - | - | - | - | - | - |
| Rack 19" Weight | - | - | - | - | - | - | - | - | - | - |
| Tower Dimensions (L x H x D) | 550 x 1100 x 800 mm | 550 x 1100 x 800 mm | 550 x 1100 x 800 mm | 550 x 1100 x 800 mm | 800 x 2000 x 800 mm | 800 x 2000 x 800 mm | 800 x 2000 x 800 mm | 1000 x 2000 x 800 mm | 1000 x 2000 x 800 mm | 1200 x 2000 x 800 mm |
| Tower Weight | 150 / 175 kg | 170 / 185 kg | 180 / 210 kg | 240 / 280 kg | 300 / 350 kg | 550 kg | 650 kg | 800 kg | 1000 kg | 1250 kg |
| ENVIRONMENTAL | | | | | | | | | | |
| Cooling | Forced Circulation | | | | | | | | | |
| Operating Temperature | from 0° to +40°C | | | | | | | | | |
| Storage Temperature | from -40° to +85°C | | | | | | | | | |
| REGULATORY | | | | | | | | | | |
| Safety and EMC | CEI EN 62040-1, EN 62040-2, EN62040-3, EN 60950-1:2007-02 | | | | | | | | | |