

Balance
THREE-PHASE SINGLE-PHASE [TS] - MINI TOWER - DELUXE - AUTO TRANSFORMER



| | | | |
|---|---|------------------|------------------|
| Part Number | BD-10-TS-T-AU | BD-17.5-TS-T-AU | BD-25-TS-T-AU |
| Power | 10 kVA | 17.5 kVA | 25 kVA |
| Transformer | Auto Transformer | | |
| Full Load Efficiency | > 93% | | |
| VOLTAGE | | | |
| Input Range | 350 – 440 Vac | | |
| Output Ranges and Switch Mode | LOW 2-150Vac / HIGH 4-300Vac | | |
| Regulation System | Local and Remote: 2-150Vac and 4-300Vac | | |
| Sensing | Yes - (Maximum Voltage Drop 5%) | | |
| Total Harmonic Distortion (THD) | < 1% | | |
| 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 | < 1 ms | | |
| CURRENT | | | |
| Max Current Setup | - | | |
| Regulation Function | - | | |
| RMS at 150Vac and 300Vac | 66 A / 33 A | 116,6 A / 58,3 A | 166,6 A / 83,3 A |
| Inrush at 150Vac and 300Vac [6s] | 99 A / 49,5 A | 175 A / 87,5 A | 250 A / 125 A |
| FREQUENCY | | | |
| Input Range | 47Hz - 63Hz | | |
| Output (switchable) | 50Hz and 60 Hz [± 0,01%] | | |
| Additional Output Value (switchable) | 400Hz [± 0,01%] | | |
| Regulation Function (adjustable) | from 40Hz to 80Hz [1%] | | |

| PHASES | | | |
|--|---|------------------------|------------------------|
| Offset Modulation | - | | |
| OTHERS | | | |
| Crest factor | 04:01 | | |
| Noise level | 60dBA | | |
| Power Protections | OVP, UVP, OCP, OTP | | |
| CONTROL PANEL | | | |
| LCD Display | LCD 4 x 40 characters | | |
| Voltage and current LCD Display accuracy | ± 2 DIGIT | | |
| Voltage and current LCD Display resolution | ± 0.5 | | |
| Cos φ value visualization | - | | |
| Frequency value visualization | - | | |
| 7" LCD Touch Panel Control | - | | |
| COMMUNICATION INTERFACES | | | |
| Analog | I/O 12 poles equipped with 0-10Vdc [accuracy response ± 1%] (limited number of functions) | | |
| RS232 | Yes (limited number of functions) | | |
| Ethernet | Yes (limited number of functions) | | |
| Communication Protocols / Drivers | SCPI over RS232 and Ethernet | | |
| Reference Voltage of remote controls | Common ground with ground line | | |
| MECHANICAL [autotransformer / isolation transformer] | | | |
| Plate Dimensions (W x H x D) | - | - | - |
| Plate Weight | - | - | - |
| Rack19" Dimensions | - | - | - |
| Rack 19" Weight | - | - | - |
| Tower Dimensions (W x H x D) | 550 x 1100 x 800 mm | 550 x 1100 x 800 mm | 550 x 1100 x 800 mm |
| Tower Weight | 95 kg | 100 kg | 120 kg |
| ENVIRONMENTAL | | | |
| Cooling | Air Forced Circulation | | |
| Operating Temperature | from 0° to +40°C | | |
| Storage Temperature | from -40° to +85°C | | |
| REGULATORY | | | |
| Safety & EMC | EN 62040-1, EN 62040-2, EN62040-3, EN 62368-1 | | |