

POWER-BOOST

SINGLE - PHASE [SS]

BASIC



Plate



Rack 19"



| Power | 1.5 kVA | 3 kVA | 5 kVA | 7.5 kVA |
|---|---|-------------|-----------------|---------------|
| Transformer | Standard autotransformer - Optional isolation transformer | | | |
| Full Load Efficiency | > 93% | | | |
| VOLTAGE (plate - only remote control) | | | | |
| Input Range [PH-N] | 190 - 267 Vac | | | |
| Output Ranges and Switch Mode [PH-N] | LOW 2-150Vac / HIGH 4-300Vac Manual Switch LOW/HIGH through control panel (Rack) or remote interface (Plate) | | | |
| Regulation System [PH-N] | Only Rack - Local [Potentiometer]: 125Vac ± 25Vac and 250Vac ± 50Vac Plate and Rack - Remote [Interfaces]: 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 (plate - only remote control) | | | | |
| Max Current Setup | - | | | |
| Regulation Function | - | | | |
| RMS at 150Vac and 300Vac | 10 A - 5 A | 20 A - 10 A | 33,3 A - 16,6 A | 50 A - 25 A |
| Inrush at 150Vac and 300Vac [6s] | 15 A - 7,5 A | 30 A - 15 A | 50 A - 25 A | 75 A - 37,5 A |
| FREQUENCY (plate - only remote control) | | | | |
| Input Range | 47Hz - 63Hz | | | |
| Output (switchable) | 50Hz and 60 Hz [± 0,01%] | | | |
| Additional Output Value (switchable) | - | | | |
| Regulation Function (adjustable) | - | | | |

| Power | 1.5 kVA | 3 kVA | 5 kVA | 7.5 kVA |
|--|---|-----------------------------------|--|--|
| PHASES [only for TT 3-phases versions] | | | | |
| Offset Modulation [0° 1-phase, 120° 3-phase, 180° 2-phase] | - | | | |
| OTHERS | | | | |
| Crest factor | 04:01 | | | |
| Noise level | Min 30dbA Max 60dBA | | | |
| Power Protections | OVP, UVP, OCP, OTP | | | |
| CONTROL PANEL (plate - only remote control) | | | | |
| LCD Display | Plate - Only LED indicators Rack - [2 x 16 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 Screen | - | | | |
| COMMUNICATION INTERFACES | | | | |
| Analog | I/O 12 poles equipped with 0-10Vdc [accuracy response ± 1%] | | | |
| RS232 | Yes | | | |
| Ethernet | Yes | | | |
| Communication Protocols / Drivers | SCPI (over RS-232 and Ethernet) / LabView Drivers | | | |
| Reference Voltage of remote controls | Common ground with ground line | | | |
| MECHANICAL (auto transformer / isolation transformer) | | | | |
| Plate Dimensions (W x H x D) | 420 x 132,5 x 500 mm | 420 x 132,5 x 500 mm | [420 x 132,5 x 500 mm] / 2 x [420 x 132,5 x 500 mm] | [420 x 132,5 x 500 mm] / 2 x [420 x 132,5 x 500 mm] |
| Plate Weight | 14 / 21 kg | 18 / 27 kg | 22 / 31 kg | 29 / 44 kg |
| Rack 19" Dimensions | 3U D540 including 40mm handles | 3U D540 including 40mm handles | [3U D540] / [2 x 3U D540] | [3U D540] / [2 x 3U D540] |
| Rack 19" Weight | 14 / 21 kg | 18 / 25 kg | 22 / 31 kg | 29 / 44 kg |
| Tower Dimensions (W x H x D) | - | - | - | - |
| Tower Weight | - | - | - | - |
| ENVIRONMENTAL | | | | |
| Cooling | Air Forced Circulation with automatic fan speed regulation | | | |
| 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 | | | |