

# 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<br>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<br>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<br>Max 60dba                                       |                                   |  |  |
| Power Protections  | OVP, UVP, OCP, OTP   |                                   |  |  |
| CONTROL PANEL (plate - only remote control)                |  |                                   |  |  |
| LCD Display  | Plate - Only LED indicators<br>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 (optional) |                                   |  |  |
| 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] /<br>2 x [420 x 132,5 x 500 mm] | [420 x 132,5 x 500 mm] /<br>2 x [420 x 132,5 x 500 mm] |
| Plate Weight   | 14 / 21 kg   | 18 / 27 kg                        | 22 / 31 kg   | 29 / 44 kg   |
| Rack19" Dimensions   | 3U D540 including<br>40mm handles                            | 3U D540 including<br>40mm handles | [3U D540] /<br>[2 x 3U D540]                           | [3U D540] /<br>[2 x 3U D540]                           |
| Rack 19" Weight  | 14 / 21 kg   | 18 / 27 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                |                                   |  |  |