

# POWER-BOOST

## THREE-PHASE [TT]

### PREMIUM



Tower



Maxi Tower

Power	9 kVA	15 kVA	21 kVA	30 kVA	45 kVA	60 kVA	80 kVA	100 kVA
Transformer	Standard autotransformer - Optional isolation transformer							
Full Load Efficiency	> 93%							
<b>VOLTAGE</b>								
Input Range	350 – 440 Vac							
Output Ranges and SWITCH Mode	LOW 3-260 Vac / HIGH 6-520 Vac Manual and Automatic Switch between LOW and HIGH through control panel							
Regulation System	Local [Command Buttons] and Remote [Interfaces]: 3-260Vac and 6-520Vac							
Remote Sensing Function	Yes - 2 wires and 4 wires options (Maximum Voltage Drop 5%)							
Total Harmonic Distortion (THD)	< 1%							
Line Regulation	< 1%							
Load Regulation	< 1%							
Regulation Time Response to the variation of Load or Line Voltage	< 1ms							
Stability of the Output Voltage	< 0,5 %							
<b>CURRENT</b>								
Max Current Setup	Yes							
Regulation Function	Yes							
RMS at 150Vac and 300Vac	3x20A/3x10A	3x33, A/ 3x16,6 A	3x46,6 A/ 3x23,3A	3x66,6A/ 3x33,3A	3x100A/ 3x50A	3x133,3A/ 3x66,6A	3x177,7A/ 3x88,8A	3x222,2A/ 3x111,1A
Inrush at 150Vac and 300Vac [6s]	3x30A/3x15A	3x50A/ 3x25A	3x70A/ 3x35A	3x100A/ 3x50A	3x150A/ 3x75A	3x200A/ 3x100A	3x266,6A/ 3x133,3A	3x333,3A/ 3x166,6A
<b>FREQUENCY</b>								
Input Range	47Hz - 63Hz							
Output (switchable)	50Hz quartz and 60 Hz quartz							
Additional Output Value (switchable)	Yes [400Hz quartz]							
Regulation Function (adjustable)	Yes [40Hz - 80Hz]							

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<b>PHASES</b>								
Offset Modulation	0° - Three-Phases synchronization to attain a single-phase output [TS working mode] 120° - European Three-Phase working mode / 180° - American Two-Phase working mode							
<b>OTHERS</b>								
Crest factor	04:01							
Noise level	60dBA							
<b>CONTROL PANEL</b>								
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 Control Panel	Optional							
<b>COMMUNICATION INTERFACES</b>								
0-10Vdc	Standard [Accuracy Response ± 1%]							
Serial Port RS232	Standard [Either RS232 or LAN]. No both at the same time.							
LAN Port								
Reference Voltage of remote controls	Common ground with ground line							
<b>MECHANICAL (auto transformer / isolation transformer)</b>								
Plate Dimensions (W x H x D)	-	-	-	-	-	-	-	-
Plate Weight	-	-	-	-	-	-	-	-
Rack 19" Dimensions (W x H x D)	-	-	-	-	-	-	-	-
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	550 x 1100 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
Tower Weight	150/175 kg	170/185 kg	180/210 kg	240/280 kg	300/350 kg	340/430 kg	380/480 kg	440/580 kg
<b>ENVIRONMENTAL</b>								
Cooling	Forced Circulation							
Operating Temperature	0° - 40°C							
Storage Temperature	- 40° - 85°C							
<b>REGULATORY</b>								
Safety and EMC	CEI EN 62040-1, EN 62040-2, EN62040-3, EN 60950-1:2007-02							