

# POWER-BOOST

## THREE-PHASE SINGLE-PHASE [TS]

### PREMIUM



Mini Tower

Power	10 kVA	17.5 kVA	25 kVA
Transformer	Standard autotransformer - Optional isolation transformer		
Full Load Efficiency	> 93%		
<b>VOLTAGE</b>			
Input Range [PH-PH]	350 – 440 Vac		
Output Ranges and Switch Mode [PH-N]	LOW 2-150Vac / HIGH 4-300Vac Manual and Automatic Switch LOW/HIGH through control panel		
Regulation System [PH-N]	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		
<b>CURRENT</b>			
Max Current Setup	Yes		
Regulation Function	Yes		
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
<b>FREQUENCY</b>			
Input Range	47Hz - 63Hz		
Output (switchable)	50Hz and 60 Hz [± 0,01%]		
Additional Output Value (switchable)	Optional [± 0,01%]		
Regulation Function (adjustable)	from 40Hz to 80Hz [± 1% accuracy]		

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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	60dBA		70dBA
Power Protections	OVP, UVP, OCP, OTP		
CONTROL PANEL (plate - only remote control)			
LCD Display	4 x 40 characters		
Voltage and current LCD Display accuracy	± 2 DIGIT		
Voltage and current LCD Display resolution	± 0.5		
Cos $\Phi$ value visualization	Yes		
Frequency value visualization	Yes		
7" LCD Touch Screen	Optional		
COMMUNICATION INTERFACES			
Analog	I/O 12 poles equipped with 0-10Vdc [accuracy response ± 1%]		
RS232	Yes		
Ethernet	Yes		
Communication Protocols / Drivers	SCPI and Optional LabView Drivers		
Reference Voltage of remote controls	Common ground with ground line		
MECHANICAL (auto transformer / isolation transformer)			
Plate Dimensions (W x H x D)	-	-	-
Plate Weight	-	-	-
Rack 19" Dimensions	-	-	-
Rack 19" Weight	-	-	-
Mini 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
Mini Tower Weight	95 / 105 kg	100 / 110 kg	120 / 135 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		