

POWER-BOOST

THREE-PHASE [TT]

PREMIUM



Tower



Maxi Tower

Power	9 kVA	15 kVA	21 kVA	30 kVA	45 kVA (Option A)	45 kVA (Option B)	60 kVA	80 kVA	100 kVA	150 kVA
Electronic Architecture / Transformers	Half Bridge Inverter, autotransformer or isolation transformer					Full Bridge Inverter, autotransformer in input and isolation transformer in output				
Full Load Efficiency	> 93%									
VOLTAGE										
Input Range [PH-PH]	350 – 440 Vac									
Output Ranges and Switch Mode [PH-PH]	LOW 3-260Vac HIGH 6-520Vac									
Regulation System [PH-PH]	Manual and Automatic Switch LOW/HIGH through control panel									
Sensing	Local [Command Buttons] and Remote [Interfaces]: 3-260Vac and 6-520Vac									
Total Harmonic Distortion (THD)	Yes - (Maximum Voltage Drop 5%)									
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	< 1ms									
CURRENT										
Max Current Setup	Yes									
Regulation Function	Yes									
RMS at 150Vac and 300Vac	3x20 A / 3x10 A	3 x 33,3 A / 3 x 16,6 A	3 x 46,6 A / 3 x 23,3 A	3 x 66,6 A / 3 x 33,3 A	3 x 100 A / 3 x 50 A	3 x 100 A / 3 x 50 A	3 x 133,3 A / 3 x 66,6 A	3 x 177,7 A / 3 x 88,8 A	3 x 222,2 A / 3 x 111,1 A	3 x 333,3 A / 166,6 A
Inrush at 150Vac and 300Vac [6s]	3x30 A / 3x15 A	3 x 50 A / 3 x 25 A	3 x 70 A / 3 x 35 A	3 x 100A / 3 x 50 A	3 x 150 A / 3 x 75 A	3 x 150 A / 3 x 75 A	3 x 200 A / 3 x 100 A	3 x 266,6 A / 3 x 133,3 A	3 x 333,3 A / 3 x 166,6 A	3 x 500 A / 3 x 250 A
FREQUENCY										
Input Range	47Hz - 63Hz									
Output (switchable)	50Hz and 60 Hz [± 0,001%]									
Additional Output Value (switchable)	400Hz [± 0,001%]									
Regulation Function (adjustable)	from 40Hz to 80Hz [± 1% with 4 x 40 LCD control panel] [± 0,001% with 7" LCD touch screen]									

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PHASES										
Offset Modulation	0° - Three-Phases synchronization to attain a single-phase output [TS working mode] 120° - European Three-Phase working mode [TT working mode] 180° - American Two-Phase working mode									
OTHERS										
Crest factor	04:01									
Noise level	60dBA									
Power Protections	OVP, UVP, OCP, OTP									
CONTROL PANEL										
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 Panel Control	Optional									
COMMUNICATION INTERFACES										
12 poles I/O	Standard [Accuracy Response ± 1%]									
Serial Port RS232	Yes									
Ethernet Port	Yes									
Communication Protocols	SCPI and LabView Drivers									
Reference Voltage of remote controls	Common ground with ground line									
MECHANICAL (auto transformer / isolation transformer)										
Plate Dimensions (L x H x D)	-	-	-	-	-	-	-	-	-	-
Plate Weight	-	-	-	-	-	-	-	-	-	-
Rack19" Dimensions	-	-	-	-	-	-	-	-	-	-
Rack 19" Weight	-	-	-	-	-	-	-	-	-	-
Tower Dimensions (L 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	800 x 2000 x 800 mm	1000 x 2000 x 800 mm	1000 x 2000 x 800 mm	1200 x 2000 x 800 mm
Tower Weight	150 / 175 kg	170 / 185 kg	180 / 210 kg	240 / 280 kg	300 / 350 kg	550 kg	650 kg	800 kg	1000 kg	1250 kg
ENVIRONMENTAL										
Cooling	Forced Circulation									
Operating Temperature	from 0° to +40°C									
Storage Temperature	from -40° to +85°C									
REGULATORY										
Safety and EMC	CEI EN 62040-1, EN 62040-2, EN62040-3, EN 60950-1:2007-02									