

POWER-BOOST

THREE-PHASE [TT]

DELUXE



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	-									
Regulation Function	-									
RMS at 150Vac and 300Vac	3 x 20 A / 3 x 10 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]	3 x 30 A / 3 x 15 A	3 x 50 A / 3 x 25 A	3 x 70 A / 3 x 35 A	3 x 100 A / 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)	-									

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PHASES										
Offset Modulation	-									
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	-									
COMMUNICATION INTERFACES										
0-10Vdc	Standard [Accuracy Response ± 1%]									
Serial Port RS232	RS232 or Ethernet. No both at the same time.									
Ethernet Port										
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	-	-	-	-	-	-	-	-	-	-
Rack 19" 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									