



# POWER-BOOST - BASIC

Master

Custom

Balance

## THREE-PHASE [TT] - BASIC - MINI TOWER - AUTO TRANSFORMER

QMS - Quality Management System

UNI EN ISO 9001:2015

Certificate n. 50 100 5422



Part Number	BB-09-TT-T-AU	BB-15-TT-T-AU	BB-21-TT-T-AU	BB-30-TT-T-AU
Power	9 kVA	15 kVA	21 kVA	30 kVA
Electronic Architecture / Transformers	Half-Bridge Inverter - Auto Transformer			
Full Load Efficiency	> 93%			
<b>VOLTAGE</b>				
Input Range	350 – 440 Vac			

Output Ranges and Switch Mode	LOW 3-260Vac , HIGH 6-520Vac [PH-PH] Manual and Automatic Switch LOW/HIGH through control panel			
Regulation System	Local [Command Buttons] and Remote [Interfaces]: 3-260Vac and 6-520Vac [PH-PH]			
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	-			
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
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 100A / 3 x 50 A
<b>FREQUENCY</b>				
Input Range	47Hz - 63 Hz			
Output (switchable)	50Hz and 60 Hz [ $\pm 0,01\%$ ]			
Additional Output Value (switchable)	-			
Regulation Function (adjustable)	-			
<b>PHASES</b>				
Offset Modulation	-			
<b>OTHERS</b>				
Crest factor	04:01			
Noise level	60dBA			
Power Protections	OVP, UVP, OCP, OTP			
<b>CONTROL PANEL</b>				
LCD Display	[4 x 40 characters]			
Voltage and current LCD Display accuracy	$\pm 2$ DIGIT			
Voltage and current LCD Display resolution	$\pm 0.5$			
Cos $\phi$ value visualization	-			
Frequency value visualization	-			
7" LCD Touch Panel Control	-			
<b>COMMUNICATION INTERFACES</b>				
Analog	I/O 12 poles equipped with 0-10Vdc [accuracy response $\pm 1\%$ ]			
RS232	Yes			
Ethernet	Yes			
Communication Protocols	SCPI and LabView Drivers			
Reference Voltage of remote controls	Common ground with ground line			
<b>MECHANICAL [autotransformer / isolation transformer]</b>				
Plate Dimensions (W x H x D)	-	-	-	-

Plate Weight	-	-	-	-
Rack19'' Dimensions	-	-	-	-
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
Tower Weight	150 kg	170 kg	180 kg	240 kg
<b>ENVIRONMENTAL</b>				
Cooling	Air Forced Circulation			
Operating Temperature	from 0° to +40°C			
Storage Temperature	from -40° to +85°C			
<b>REGULATORY</b>				
Safety & EMC	EN 62040-1, EN 62040-2, EN62040-3, EN 62368-1			