

THREE-PHASE SINGLE-PHASE [TS] - MINI TOWER - PREMIUM - AUTO TRANSFORMER



Part Number	BP-10-TS-T-AU	BP-17.5-TS-T-AU	BP-25-TS-T-AU
Power	10 kVA	17.5 kVA	25 kVA
Transformer	Auto Transformer		
Full Load Efficiency	> 93%		
VOLTAGE			
Input Range	350 – 440 Vac		
Output Ranges and Switch Mode	LOW 2-150Vac / HIGH 4-300Vac		
Regulation System	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		
CURRENT			
Max Current Setup and Current Regulation	<p>3 working modes (M1, M2, M3)</p> <p>M1: set of I_{max} within the current range and power-off of the unit when the load exceeds the set current</p> <p>M2: set of I_{max} within the current range and proportional decrease of the voltage when the load exceeds the set current</p> <p>M3: current generator mode with voltage automatically set at the highest value within the selected voltage range (not adjustable) and the current freely adjustable within certain load impedance criterias</p>		
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
FREQUENCY			

Input Range	47Hz - 63Hz		
Output (switchable)	50Hz and 60 Hz [$\pm 0,01\%$]		
Additional Output Value (switchable)	400Hz [$\pm 0,01\%$]		
Regulation Function (adjustable)	from 40Hz to 80Hz [1%]		
PHASES			
Offset Modulation	-		
OTHERS			
Crest factor	04:01		
Noise level	60dBA		
Power Protections	OVP, UVP, OCP, OTP		
CONTROL PANEL			
LCD Display	LCD 4 x 40 characters		
Voltage and current LCD Display accuracy	± 2 DIGIT		
Voltage and current LCD Display resolution	± 0.5		
Cos ϕ value visualization	-		
Frequency value visualization	-		
7" LCD Touch Panel Control	-		
COMMUNICATION INTERFACES			
Analog	I/O 12 poles equipped with 0-10Vdc [accuracy response $\pm 1\%$] (limited number of functions)		
RS232	Yes (limited number of functions)		
Ethernet	Yes (limited number of functions)		
Communication Protocols / Drivers	SCPI over RS232 and Ethernet		
Reference Voltage of remote controls	Common ground with ground line		
MECHANICAL [autotransformer / isolation transformer]			
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
Tower Weight	95 kg	100 kg	120 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		