

POWER-BOOST

THREE-PHASE SINGLE-PHASE [TS]

BASIC



Tower



Rack 19"

Power	10 kVA	17.5 kVA	25 kVA
Transformer	Standard autotransformer - Optional isolation transformer		
Full Load Efficiency	> 93%		
VOLTAGE			
Input Range [PH-PH]	350 – 440 Vac		
Output Ranges and Switch Mode [PH-N]	LOW 2-150Vac / HIGH 4-300Vac Manual Switch LOW/HIGH through control panel		
Regulation System [PH-N]	Local [Potentiometer]: 125Vac ± 25Vac and 250Vac ± 50Vac Remote [Interfaces]: 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	-		
Regulation Function	-		
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 [± 0,001%]		
Additional Output Value (switchable)	-		
Regulation Function (adjustable)	-		

Power	10 kVA	17.5 kVA	25 kVA
PHASES			
Offset Modulation		-	
OTHERS			
Crest factor	04:01		
Noise level	60dBA		70dBA
Power Protections	OVP, UVP, OCP, OTP		
CONTROL PANEL			
LCD Display	[2 x 16 characters] on Rack 19" - [4 x 40 characters] on Towers		
Voltage and current LCD Display accuracy	± 2 DIGIT		
Voltage and current LCD Display resolution	± 0.1		
Cos φ value visualization	-		
Frequency value visualization	-		
7" LCD Touch Panel Control	-		
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	-	-	-
Rack 19" Dimensions	(6U + 4U) D540 Including 40mm handles	(6U + 4U) D720 Including 40mm handles	-
Rack 19" Weight	36/46 kg	62/72 kg	-
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
Tower Weight	95 / 105 kg	100 / 110 kg	120 / 135 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		