

POWER-TRUST

THREE-PHASE SINGLE-PHASE [TS]

PREMIUM



Tower



Rack 19"

Power	10 kVA	17.5 kVA	25 kVA
Transformer		No	
Full Load Efficiency		> 96%	
VOLTAGE			
Input Range [PH-PH]		350 – 440 Vac	
Output Ranges and Switch Mode [PH-N]		2 - 300 Vac	
Regulation System [PH-N]		Local [Potentiometer/Command Buttons]: 200-300Vac Remote [Interfaces]: 2-300Vac	
Sensing		No	
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		Yes	
Regulation Function		Yes	
RMS	33 A	58,3 A	83,3 A
Inrush [6s]	49,5 A	87,5 A	125 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]	

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	[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			
Plate Dimensions (L x H x D)	-	-	-
Plate Weight	-	-	-
Rack 19" Dimensions	6U D540 including 40mm handles	6U D540 including 40mm handles	-
Rack 19" Weight	24 kg	40 kg	-
Tower Dimensions (L x H x D)	-	550 x 1100 x 800 mm	550 x 1100 x 800 mm
Tower Weight	-	67 kg	80 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		