

POWER-BOOST

THREE-PHASE SINGLE-PHASE [TS]

BASIC



Mini 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 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	-		
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 [\pm 0,01%]		
Additional Output Value (switchable)	-		
Regulation Function (adjustable)	-		

Power	10 kVA	17.5 kVA	25 kVA
PHASES [only for TT 3-phases versions]			
Offset Modulation [0° 1-phase, 120° 3-phase, 180° 2-phase]	-		
OTHERS			
Crest factor	04:01		
Noise level	60dBA		70dBA
Power Protections	OVP, UVP, OCP, OTP		
CONTROL PANEL (plate - only remote control)			
LCD Display	Rack 19" - 2 LED strings Mini Tower - 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 Screen	-		
COMMUNICATION INTERFACES			
Analog	Rack 19" - I/O 10 poles, Mini Tower - I/O 12 poles both equipped with 0-10Vdc [accuracy response ± 1%]		
RS232	Yes		
Ethernet	Rack 19" - adapter available Mini Tower - Yes		
Communication Protocols / Drivers	Rack 19" - standard ASCII code, optional adapter SCPI Mini Tower - SCPI and LabView Drivers		
Reference Voltage of remote controls	Common ground with ground line		
MECHANICAL (auto transformer / isolation transformer)			
Plate Dimensions (W x H x D)	-	-	-
Plate Weight	-	-	-
Rack 19" Dimensions	(6U + 5U) D560 Including 40mm handles	(6U + 5U) D720 Including 40mm handles	-
Rack 19" Weight	36/46 kg	62/72 kg	-
Mini 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
Mini Tower Weight	95 / 105 kg	100 / 110 kg	120 / 135 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		