

## POWER-BOOST

### SINGLE - PHASE [SS]

#### BASIC



Plate



Rack 19"

Power	1.5 kVA	3 kVA	5 kVA	7.5 kVA
Transformer	Standard autotransformer - Optional isolation transformer			
Full Load Efficiency	> 93%			
VOLTAGE (plate - only remote control)				
Input Range [PH-N]	190 - 267 Vac			
Output Ranges and Switch Mode [PH-N]	LOW 2-150Vac / HIGH 4-300Vac Manual Switch LOW/HIGH through control panel (Rack) or remote interface (Plate)			
Regulation System [PH-N]	Only Rack - Local [Potentiometer]: 125Vac ± 25Vac and 250Vac ± 50Vac Plate and Rack - 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 (plate - only remote control)				
Max Current Setup	-			
Regulation Function	-			
RMS at 150Vac and 300Vac	10 A - 5 A	20 A - 10 A	33,3 A - 16,6 A	50 A - 25 A
Inrush at 150Vac and 300Vac [6s]	15 A - 7,5 A	30 A - 15 A	50 A - 25 A	75 A - 37,5 A
FREQUENCY (plate - only remote control)				
Input Range	47Hz - 63Hz			
Output (switchable)	50Hz and 60 Hz [± 0,01%]			
Additional Output Value (switchable)	-			
Regulation Function (adjustable)	-			

Power	1.5 kVA	3 kVA	5 kVA	7.5 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	Min 30dbA Max 60dBA			
Power Protections	OVP, UVP, OCP, OTP			
CONTROL PANEL (plate - only remote control)				
LCD Display	Plate - Only LED indicators Rack - [2 x 16 characters]			
Voltage and current LCD Display accuracy	± 2 DIGIT			
Voltage and current LCD Display resolution	± 0.5			
Cos $\Phi$ value visualization	-			
Frequency value visualization	-			
7" LCD Touch Screen	-			
COMMUNICATION INTERFACES				
Analog	I/O 12 poles equipped with 0-10Vdc [accuracy response ± 1%]			
RS232	Yes			
Ethernet	Yes			
Communication Protocols / Drivers	SCPI (over RS-232 and Ethernet) / LabView Drivers			
Reference Voltage of remote controls	Common ground with ground line			
MECHANICAL (auto transformer / isolation transformer)				
Plate Dimensions (W x H x D)	420 x 132,5 x 500 mm	420 x 132,5 x 500 mm	[420 x 132,5 x 500 mm] / 2 x [420 x 132,5 x 500 mm]	[420 x 132,5 x 500 mm] / 2 x [420 x 132,5 x 500 mm]
Plate Weight	14 / 21 kg	18 / 27 kg	22 / 31 kg	29 / 44 kg
Rack 19" Dimensions	3U D540 including 40mm handles	3U D540 including 40mm handles	[3U D540] / [2 x 3U D540]	[3U D540] / [2 x 3U D540]
Rack 19" Weight	14 / 21 kg	18 / 25 kg	22 / 31 kg	29 / 44 kg
Tower Dimensions (W x H x D)	-	-	-	-
Tower Weight	-	-	-	-
ENVIRONMENTAL				
Cooling	Air Forced Circulation with automatic fan speed regulation			
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			