

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	190 - 267 Vac			
Output Ranges and SWITCH Mode	LOW 2-150Vac / HIGH 4-300Vac Rack - Manual Switch between LOW and HIGH / Plate - remote control			
Regulation System	Only Rack - Local [Potentiometer]: 125Vac ± 25Vac and 250Vac ± 50Vac Plate and Rack - Remote [Interfaces]: 2-150Vac and 4-300Vac			
Remote Sensing Function	Rack - 2 wires and 4 wires options (Maximum Voltage Drop 5%) Plate-no			
Total Harmonic Distortion (THD)	< 1%			
Line Regulation	< 1%			
Load Regulation	< 1%			
Regulation Time Response to the variation of Load or Line Voltage	< 1ms			
Stability of the Output Voltage	< 0,5 %			
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 quartz and 60 Hz quartz			
Additional Output Value (switchable)	-			
Regulation Function (adjustable)	-			

Power	1.5 kVA	3 kVA	5 kVA	7.5 kVA
PHASES				
Offset Modulation	-			
OTHERS				
Crest factor	04:01			
Noise level	60dBA			
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	± 0.1			
Cos φ value visualization	-			
Frequency value visualization	-			
7" LCD Touch Control Panel	-			
COMMUNICATION INTERFACES				
0-10Vdc	Standard [Accuracy Response ± 1%]			
Serial Port RS232	Standard [Either RS232 or LAN]. No both at the same time.			
LAN Port				
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] / 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]	[420 x 178 x 500 mm] / [420 x 178 x 500 mm] + [420 x 132,5 x 500mm]
Plate Weight	14 / 21 kg	18 / 27 kg	22 / 31 kg	29 / 44 kg
Rack 19" Dimensions (W x H x D)	3U D540 including 40mm handles	[3U D540] / [(3U+3U) D540]	[3U D540] / [(3U+3U) D540]	[4U D540] / [(4U+3U) D540]
Rack 19" Weight	14 / 21 kg	18 / 27 kg	22 / 31 kg	29 / 44 kg
Tower Dimensions (W x H x D)	-	-	-	-
Tower Weight	-	-	-	-
ENVIRONMENTAL				
Cooling	Forced Circulation			
Operating Temperature	0° - 40°C			
Storage Temperature	-40° - 85°C			
REGULATORY				
Safety & EMC	CEI EN 62040-1, EN 62040-2, EN62040-3, EN 60950-1:2007-02			