

SINGLE-PHASE [SS] - PREMIUM - RACK 19" - LCD 7" TOUCH SCREEN - ISOLATION TRANSFORMER



Part Number	BPS-1.5-SS-R-IS	BPS-03-SS-R-IS	BPS-05-SS-R-IS	BPS-7.5-SS-R-IS
Power	1.5 kVA	3 kVA	5 kVA	7.5 kVA
Transformer	Isolation Transformer			
Full Load Efficiency	> 93%			
VOLTAGE				
Input Range	190 - 267 Vac			
Output Ranges and Switch Mode	LOW 2-150Vac HIGH 4-300Vac Manual and Automatic Switch LOW/HIGH through control panel and remote interface			
Regulation System	Local [Command Buttons] and 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 and Current Regulation	3 working modes (M1, M2, M3) M1: set of I _{max} within the current range and power-off of the unit when the load exceeds the set current M2: set of I _{max} within the current range and proportional decrease of the voltage when the load exceeds the set current M3: current generator mode with voltage automatically set at the highest value within the selected voltage range (not adjustable) and the current freely adjustable within certain load impedance criterias			
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				
Input Range	47Hz - 63 Hz			
Output (switchable)	50Hz and 60 Hz [± 0,01%]			
Additional Output Value (switchable)	400Hz [± 0,01%]			
Regulation Function (adjustable)	from 40Hz to 80Hz [± 0,01%]			
PHASES				
Offset Modulation	-			

OTHERS				
Crest factor	04:01			
Noise level	Min 30dbA Max 60dBA			
Power Protections	OVP, UVP, OCP, OTP			
CONTROL PANEL				
LCD Display	LCD 7" Touchscreen			
Programmability	Yes (Ramps and ON/OFF)			
Voltage and current LCD Display accuracy	± 2 DIGIT			
Voltage and current LCD Display resolution	± 0.5			
Cos φ value visualization	Yes			
Frequency value visualization	Yes			
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 [autotransformer / isolation transformer]				
Plate Dimensions (W x H x D)	-	-	-	-
Plate Weight	-	-	-	-
Rack19" Dimensions	3U D540 including 40mm handles	3U D540 including 40mm handles	2 X [3U D540] including 40mm handles	2 X [3U D540] including 40mm handles
Rack 19" Weight	21 kg	27 kg	37 kg	44 kg
Tower Dimensions (W x H x D)	-	-	-	-
Tower Weight	-	-	-	-
ENVIRONMENTAL				
Cooling	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			