

## SINGLE-PHASE [SS] - DELUXE - RACK 19" - ISOLATION TRANSFORMER



Part Number	BD-1.5-SS-R-IS	BD-03-SS-R-IS	BD-05-SS-R-IS	BD-7.5-SS-R-IS
Power	1.5 kVA	3 kVA	5 kVA	7.5 kVA
Transformer	Isolation Transformer			
Full Load Efficiency	> 93%			
<b>VOLTAGE</b>				
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			
<b>CURRENT</b>				
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
<b>FREQUENCY</b>				
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%]			
<b>PHASES</b>				
Offset Modulation	-			

OTHERS				
Crest factor	04:01			
Noise level	Min 30dba Max 60dBA			
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	± 0.5			
Cos φ value visualization	Yes			
Frequency value visualization	Yes			
7" LCD Touch Panel Control	-			
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			