

**BETESO VARIABLE VOLTAGE TRANSFORMERS  
MODEL BSTxx and MODEL BSTDxx SERIES**

**SPECIFICATIONS**

Model	BST08A	BST08B	BST08C	BST14A	BST14B	BST14C
<b>Voltage</b>						
Input	230V AC 50-60Hz					
Max. Power	800 VA			1.400 VA		
Output AC	0-230V / 3.4A	0 – 280V / 3A		0 – 230V / 6A		0 – 280V / 5A
Output DC*	0 – 395V / 2A	0 – 395V / 2A		0 – 395V / 3,5A		0 – 395V / 3.5A
Output high voltage AC	-	0 – 280V / 3A		-		0 – 280V / 5A
Output low voltage AC	-	0 – 140V / 6A		-		0 – 140V / 10A
Output high voltage DC*	-	0 – 395V / 2A		-		0 – 395V / 3.5A
Output low voltage DC*	-	0 – 197V / 4A		-		0 – 197V / 7A
Accuracy (at rated input voltage)	2,5%		1%	2,5%		1%
Voltage resolution	1 V					
Current resolution	0.1 A					
<b>Temperature Range</b>						
Storage	-30°C ... 85°C					
Operation	-20°C ... 70 °C					
Derating	>40°C 2,5% / °C					
Humidity	30% - 85%					
Safety & EMC	CE					
<b>Measurement</b>						
Size (HxWxD)	150x440x320 mm   5.9x17.3x12.6 inch			290x440x320mm   11.4x17.3x12.6 inch		
Weight	15kg	20kg	21kg	20kg	25kg	26kg
Connection	CEE7/4 Schuko					

Model	BST26A	BST26B	BST26C	BST40A	BST40B	BST40C
<b>Voltage</b>						
Input	230V AC 50-60Hz			3x400V / 50-60Hz		
Max. Power	2.600 VA			4.000 VA		
Output AC	0 – 230V / 11A	0 – 280V / 9A		0 – 230V / 17A		0 – 280V / 14A
Output DC*	0 – 395V / 6.5A	0 – 395V / 6.5A		0 – 395V / 10A		0 – 395V / 10A
Output high voltage AC	-	0 – 280V / 9A		-		0 – 280V / 14A
Output low voltage AC	-	0 – 140V / 12A		-		0 – 140V / 28.5A
Output high voltage DC*	-	0 – 395V / 6.5A		-		0 – 395V / 10A
Output low voltage DC*	-	0 – 197V / 13A		-		0 – 197V / 20A
Accuracy (at rated input voltage)	2,5%		1%	2,5%		1%
Voltage resolution	1 V					
Current resolution	0.1 A					
<b>Temperature Range</b>						
Storage	-30°C ... 85°C					
Operation	-20°C ... 70 °C					
Derating	>40°C 2,5% / °C					
Humidity	30% - 85%					
Safety & EMC	CE					
<b>Measurement</b>						
Size (HxWxD)	1071x580x700mm   42.1x22.8x27.5 inch					
Weight	30kg	35kg	36kg	60kg	65kg	66kg
Connection	CEE7/4 Schuko			CEE		

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Model	BST60A	BST60B	BST60C	BST80
<b>Voltage</b>				
Input	3x400V / 50-60Hz			
Max. Power	6.000 VA			8.000 VA
Output AC	0 – 230V / 26A	0 – 280V / 21A		0 – 280V / 28.5A
Output DC*	0 – 395V / 15A	0 – 395V / 15A		0 – 395V / 20A
Output high voltage AC	-	0 – 280V / 21A		0 – 280V / 57A
Output low voltage AC	-	0 – 140V / 42A		0 – 140V / 10A
Output high voltage DC*	-	0 – 395V / 15A		0 – 395V / 20A
Output low voltage DC*	-	0 – 197V / 30.5A		0 – 197V / 40.5A
Accuracy (at rated input voltage)	2,5%	1%		
Voltage resolution	1 V			
Current resolution	0.1 A			
<b>Temperature Range</b>				
Storage	-30°C ... 85°C			
Operation	-20°C ... 70 °C			
Derating	>40°C 2,5% / °C			
Humidity	30% - 85%			
Safety & EMC	CE			
<b>Measurement</b>				
Size (HxWxD)	1071x580x700			
Weight	70kg	90kg	91kg	100kg
Connection	CEE			

Model	BST100	BST120	BST150
<b>Voltage</b>			
Input	3x400V / 50-60Hz		
Max. Power	10.000 VA	12.000 VA	15.000 VA
Output	0 – 280V / 35.5A	0 – 280V / 43A	0 – 280V / 53.5A
Output high voltage AC	0 – 280V / 35.5A	0 – 280V / 43A	0 – 280V / 53.5A
Output low voltage AC	0 – 140V / 71A	0 – 140V / 86A	0 – 140V / 107A
Output high voltage DC*	0 – 395V / 25A	0 – 395V / 30A	0 – 395V / 38A
Output low voltage DC*	0 – 197V / 50.5A	0 – 197V / 61A	0 – 197V / 76A
Accuracy (at rated input voltage)	1%		
Voltage resolution	1 V		
Current resolution	0.1 A		
<b>Temperature Range</b>			
Storage	-30°C ... 85°C		
Operation	-20°C ... 70 °C		
Derating	>40°C 2,5% / °C		
Humidity	30% - 85%		
Safety & EMC	CE		
<b>Measurement</b>			
Size (HxWxD)	1071x580x700mm   42.1x22.8x27.5 inch		1925x580x700   75.8x22.8x27.5 inch
Weight	120kg	130kg	140kg
Connection	CEE		

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Model	BSTD20A	BSTD20B	BSTD20C	BSTD40A	BSTD40B	BSTD40C
<b>Voltage</b>						
Input	3x400V / 50-60Hz					
Max. Power	2.000 VA			4.000 VA		
Output AC	0 – 460V / 2.5A			0 – 460V / 5A		
Output DC*	0 – 621V / 3A			0 – 621V / 6.5A		
Output high voltage AC	-	0 – 460V / 2.5A		-	0 – 460V / 5A	
Output low voltage AC	-	0 – 230V / 5A		-	0 – 230V / 10A	
Output high voltage DC*	-	0 – 621V / 3A		-	0 – 621V / 6.5A	
Output low voltage DC*	-	0 – 310V / 6.5A		-	0 – 310V / 13A	
Accuracy (at rated input voltage)	2,5%		1%	2,5%		1%
Voltage resolution	1 V					
Current resolution	0.1 A					
<b>Temperature Range</b>						
Storage	-30°C ... 85°C					
Operation	-20°C ... 70 °C					
Derating	>40°C 2,5% / °C					
Humidity	30% - 85%					
Safety & EMC	CE					
<b>Measurement</b>						
Size (HxWxD)	1071x580x700			1071x580x700		
Weight	25kg	40kg	41kg	40kg	60kg	61kg
Connection	CEE					

Model	BSTD60A	BSTD60B	BST60C	BSTD80	BSTD150	BSTD200
<b>Voltage</b>						
Input	3x400V / 50-60Hz					
Max. Power	6.000 VA			8.000 VA	15.000 VA	20.000 VA
Output AC	0 – 460V / 7.5A			0 – 460V / 10A	0 – 460V/18.5A	0 – 460V / 25A
Output DC*	0 – 621V / 9.5A			0 – 621V / 13A	0 – 621V / 24A	0 – 621V / 32A
Output high voltage AC	-	0 – 460V / 7.5A		0 – 460V / 10A	0 – 460V/18.5A	0 – 460V / 25A
Output low voltage AC	-	0 – 230V / 15A		0 – 230V / 20A	0 – 230V/37.5A	0 – 230V / 50A
Output high voltage DC*	-	0 – 621V / 9.5A		0 – 621V / 13A	0 – 621V / 24A	0 – 621V / 32A
Output low voltage DC*	-	0 – 310V / 19A		0 – 310V / 26A	0 – 310V / 48A	0 – 310V / 64A
Accuracy (at rated input voltage)	2,5%		1%	1%	1%	1%
Voltage resolution	1 V					
Current resolution	0.1 A					
<b>Temperature Range</b>						
Storage	-30°C ... 85°C					
Operation	-20°C ... 70 °C					
Derating	>40°C 2,5% / °C					
Humidity	30% - 85%					
Safety & EMC	CE					
<b>Measurement</b>						
Size (HxWxD)	1925x580x700					
Weight	40???	130kg	131kg	150kg	220kg	350kg
Connection	CEE					

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Model	BSTD300	BSTD500A	BST500B	BSTD600A	BSTD600B
<b>Voltage</b>					
Input	3x400V / 50-60Hz				
Max. Power	30.000 VA	50.000 VA	50.000 VA	60.000 VA	60.000 VA
Output AC	0 – 460V / 37A	0 – 460V / 63A	0 – 460V / 63A	0 – 460V / 75A	0 – 460V / 75A
Output DC*	0 – 621V / 48A	0 – 621V / 80.5A	0 – 621V / 80.5A	0 – 621V / 96A	0 – 621V / 96A
Output high voltage AC	0 – 460V / 37A	-	0 – 460V / 63A	-	0 – 460V / 75A
Output low voltage AC	0 – 230V / 74A	-	0 – 230V / 126A	-	0 – 230V / 150A
Output high voltage DC*	0 – 621V / 48A	-	0 – 621V / 80.5A	-	0 – 621V / 96A
Output low voltage DC*	0 – 310V / 96A	-	0 – 310V / 161A	-	0 – 310V / 192A
Accuracy (at rated input voltage)	1%				
Voltage resolution	1 V				
Current resolution	0.1 A				
<b>Temperature Range</b>					
Storage	-30°C ... 85°C				
Operation	-20°C ... 70 °C				
Derating	>40°C 2,5% / °C				
Humidity	30% - 85%				
Safety & EMC	CE				
<b>Measurement</b>					
Size (HxWxD)	1925x580x700	1925x580x1400			
Weight	500	850kg		920kg	
Connection	CEE	CEE	CEEEx3	CEE	CEEEx3

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#### Notes valid for all devices:

The residual voltage ripple in DC mode average 15%

If higher precision is needed, please enquire a quotation for your specific solution

Please note that other voltage specifications can be delivered on request, **BETESO** – more than standard.

\*) DC current is based on 100% resistive load. With capacitive load, customer specific derating is necessary

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