

# 1000V All-In-One Battery Energy Storage System

TBVS-1000K-T/1260K-T



## Product Overview

The system is a power supply system integrating energy storage converter, high and low voltage distribution equipment, step-up transformer and station power supply system, which can support 6~35kV grid access and meet the application of large or super large energy storage power plant.



High density integration to improve space utilization



Open voltage application type covers 35kV and below voltage level



Integrated design of "transformer" and "booster" to realize integrated product delivery and installation;



Support 110% overload capacity to improve system stability.



A variety of external communication interfaces, to meet a variety of monitoring platform access



Various grid-connected applications such as peak-shaving, peak-frequency regulation, active support, etc.



Model	TBVS-1000K-T	TBVS-1260K-T
<b>DC side parameters</b>		
Maximum DC voltage	1000vdc	
DC voltage range	600Vdc~ 850Vdc	
Maximum DC curren	1852A	2332A
Automatic pre-charge function	Equipped	
<b>AC (grid-connected) parameters</b>		
Rated Power	1000kw	1260kw
Maximum power	1100kw	1386kw
Maximum current	1588A	2000A
Rated grid-connected voltage	400Vac	
Allowable Voltage Range	400Vac±10%	
Frequency range	50/60Hz±5Hz	
Power Factor / Adjustable Range	- 0.99(Overrun)~ 0.99 (lagging)	
THDI	≤3%	
<b>AC (off-grid) parameters</b>		
Rated Voltage	400Vac	
Voltage Accuracy	1%	
Maximum current	1588A	2000A
Output Frequency	50/60Hz±5Hz	
THDU	≤3%	
<b>Efficiency</b>		
Maximum efficiency	99%	
<b>Transformer Characteristics</b>		
Rated Power	1000kw	1260kw
Voltage Ratio	0.4/6~35kV	
Transformer Type	Oil change / dry change	
<b>Basic Features</b>		
Protection Grade	IP54	
Operating Temperature	-15°C-50°C	
Relative humidity	≤95%RH, non-condensing	
Cooling method	Air cooling	
Weight	约1200kg	
Altitude	4000m(more than 2000m reduction)	
Human-computer interaction	Touch Screen	
Noise	≤65dB	
Communication mode	Ethernet, RS485, 4G	
Outline Dimensions	6058mmx2896mmx2438 mm	