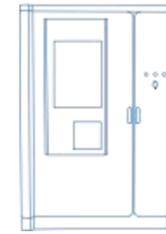


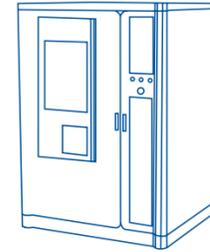
Integrated Energy Storage Power System— Industrial and Commercial Energy Storage



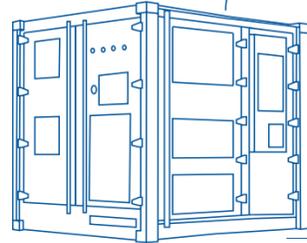
BRES

Integrated Energy Storage Power System

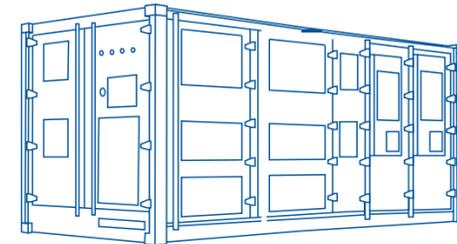
BRES-215-100
 Battery capacity: **215kWh**
 PCS capacity: **100kW**
 Size: **1600*1330*2250** (W*D*H)mm



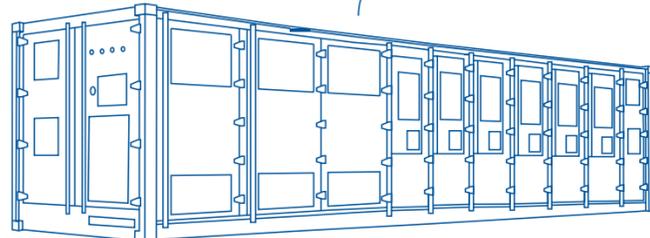
BRES-645-300
 Battery capacity: **645kWh**
 PCS capacity: **300kW**
 Size: **3000*2438*2591** (W*D*H)mm



BRES-1075-500
 Battery capacity: **1075kWh**
 PCS capacity: **500kW**
 Size: **6058*2438*2591** (W*D*H)mm



BRES-2150-1000
 Battery capacity: **2150kWh**
 PCS capacity: **1000kW**
 Size: **12192*2438*2591** (W*D*H)mm



Model	BRES-215-100	BRES-645-300	BRES-1075-500	BRES-2150-1000
PV parameter				
Maximum photovoltaic access power	-	200KW	400KW	800KW
Rated current	-	303A	606A	1212A
Rated input voltage	-	3P3L+N+PE, 380/400V		
Rated frequency	-	50Hz/60Hz		
DC side parameter				
Voltage range	DC580V~DC900V			
DC channel	1	3	5	10
Rated single channel current	170A			
AC parameter (on-grid)				
Rated power	100kW	300kW	500kW	1000kW
Rated grid voltage	3P3L+N+PE, 380V/400V			
Grid voltage range	-15%~+10%			
Rated grid frequency	50Hz/60Hz			
Grid frequency range	±2Hz			
Output current harmonics	≤ 3% (rated power)			
DC component	< 0.5%In			
Power factor range	-0.9~+0.9			
AC parameter (off grid)				
AC parameter (off grid)	-	300kW	500kW	1000kW
Maximum output power	-	315kVA	525kVA	1050kVA
Rated output voltage	-	3W+N+PE, 380/400V		
Output voltage harmonics	-	3%		
Rated frequency	-	50Hz/60Hz		
Overload capacity	-	105%]: continuous operation; (105% - 120%]: 10 min; 120%]: 1 min		
Battery parameter				
Cell type	Lithium iron phosphate			
Single battery cabinet electricity	215.04kWh			
Number of battery cabinets	1	3	5	10
Battery system electricity	215.04kWh	645.12kWh	1075.2kWh	2150.4kWh
Rated running time	2 h (the duration can be customized by adjusting the number of battery modules)			
Cycle life	6,000 times (0.5C @ 25°C charge and discharge @ 90% DOD, EOL 80%)			
Protection				
AC switch	Equipped			
PV electrically-operated AC switch	Equipped			
Grid monitoring	Equipped			
Surge protection	Equipped			
Basic parameter				
Size (W*D*H) (mm)	1600*1330*2250	3000*2438*2591	6058*2438*2591	12192*2438*2591
Weight	2500Kg	10000Kg	16000Kg	28000Kg
Isolation mode	-	Isolation transformer (built-in)		
On-grid and off grid switching device	STS (optional)	STS (electronic switch)		Electrically-operated
Protection grade	IP54 for outdoor type			
Working temperature range	- 20°C - 55°C (derating above 45°C)			
Relative humidity (without condensing)	0 % RH - 95 % RH without condensing			
Temperature control method	Battery compartment: air conditioning; Electrical compartment: air cooling			
Maximum working altitude	2,000 m at 45°C; 2,000 m - 4,000 m with derating use			
Display	Touch screen			
External communication interface	RS485、LAN			
Communication protocol	Modbus-RTU、Modbus-TCP			