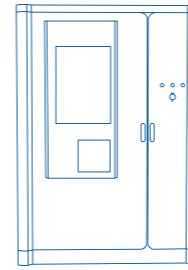


# Integrated Energy Storage Power System Industrial and Commercial Energy Storage



# BRES

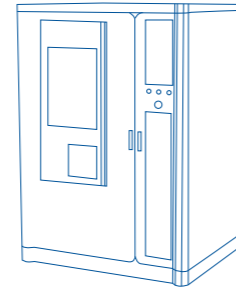
## 储能一体化电源系统

### BRES-215-100

Battery capacity: **215kWh**

PCS capacity: **100kW**

Size: **1600\*1330\*2250** (W\*D\*H)mm

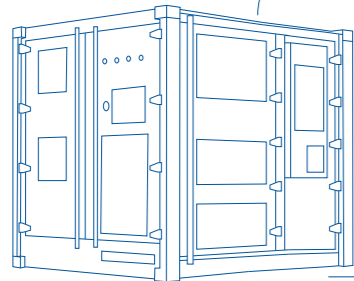


### BRES-645-300

Battery capacity: **645kWh**

PCS capacity: **300kW**

Size: **3000\*2438\*2591** (W\*D\*H)mm

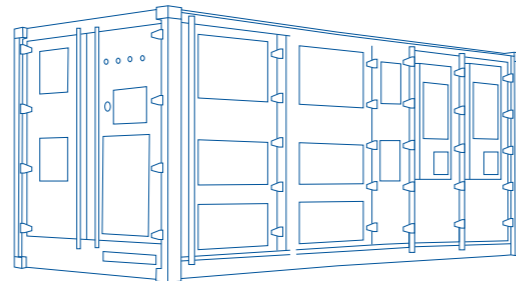


### BRES-1075-500

Battery capacity: **1075kWh**

PCS capacity: **500kW**

Size: **6058\*2438\*2591** (W\*D\*H)mm

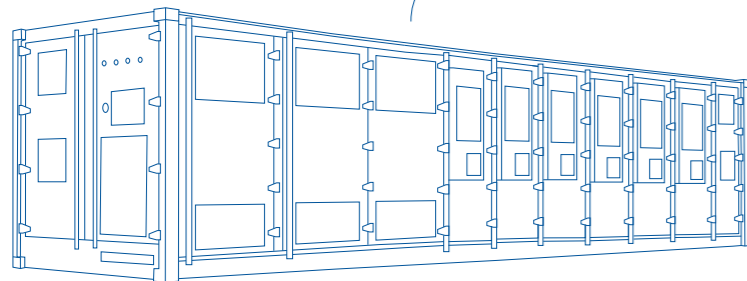


### BRES-2150-1000

Battery capacity: **2150kWh**

PCS capacity: **1000kW**

Size: **12196\*2438\*2591** (W\*D\*H)mm



Model	BRES-215-100	BRES-645-300	BRES-1075-500	BRES-2150-1000
<b>PV parameter</b>				
Maximum photovoltaic access power	-	200KW	400KW	800KW
Rated current	-	303A	606A	1212A
Rated input voltage	-	3W+N+PE, 380/400V		
Rated frequency	-	50Hz/60Hz		
<b>DC side parameter</b>				
Voltage range	DC580V~DC900V			
DC channel	1	3	5	10
Rated single channel current	170A			
<b>AC parameter (on-grid)</b>				
Rated power	100kW	300kW	500kW	1000kW
Rated grid voltage	3W+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			
<b>AC parameter (off grid)</b>				
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		
<b>Battery parameter</b>				
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%)			
<b>Protection</b>				
AC switch	Equipped			
PV electrically-operated AC switch	Equipped			
Grid monitoring	Equipped			
Surge protection	Equipped			
<b>Basic parameter</b>				
Size (W*D*H) (mm)	1600*1330*2250	3000*2438*2591	6058*2438*2591	12196*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			