

# 20FT CONTAINER ENERGY STORAGE SYSTEM

DC Side\_RBS-4180/5016-HV-G20

AC Side\_REG-2500K/3450K/5000K-UD-35



PV Plant



Wind Power Energy Storage



C&I ESS



Grid-Side ESS



PV+ESS+Charging



Microgrid

## FAN COOLING SYSTEM



All-in-one design for easy transportation and installation, flexible deployment



Separation of electrical and battery compartments to prevent thermal runaway from spreading



Multiple capacity designs Meets the needs of multiple applications



Multi-protection design Higher security

Model	RES-372L186	RES-418L209
<b>Battery</b>		
Rated Charge/Discharge Performance	0.5C	
Battery Capacity [Ah]	314	
Battery Rated Voltage [V]	1331.2	
Operating Voltage Range [V]	1164.8~1497.6	
Rated Capacity [kWh]	4179.97	5015.96
System Battery Configuration	(1P416S)*10P	(1P416S)*12P

## General Parameters

Ingress Protection	IP54/IP55	
Cooling Method	Liquid Cooling	
Fire Fighting System	Aerosol	
Relative Humidity	0~95%, Non-condensing	
Operating Temperature [°C]	-20~+50	
Altitude [m]	4000 (>2000 Derating)	
Communication	CAN/RS485/Ethernet	
Communication Protocol	Modbus/IEC104/IEC61850	
Weight [T]	≈37	≈42
Dimension (W*D*H) [mm]	6058*2438*2896	
<b>Product Certifications</b>	IEC 62619, IEC 62477, IEC 63056, IEC 61000, UL 1973, UL 9540A, NFPA 855	
Certificates	UN3536, UN38.3	
Safe Transportation		

Model	REG-2500K-UD-35	REG-3450K-UD-35	REG-5000K-UD-35
<b>AC Side Parameters</b>			
Rated Output Power [kW]	2500	3450	5000
Rated Output Voltage [kV]	6~35		
Rated Output Frequency [Hz]	50/60		
Power Factor	1 (0.9 Leading - 0.9 Lagging)		

## Transformer Parameters

Rated Capacity [kVA]	2500	3450	5000
Voltage Transformation Ratio [kV/kV]	0.69/6~35		
Connection Group	DY11		
Transformer Type	Dry Type/Oil-immersed		

## General Parameters

Ingress Protection	IP54/IP55		
Cooling Method	Forced Air Cooling		
Relative Humidity	0~95%, Non-condensing		
Operating Temperature [°C]	-20~+50		
Altitude [m]	4000 (>2000 Derating)		
Communication	CAN/RS485/Ethernet		
Communication Protocol	Modbus/IEC104/IEC61850		
Weight [T]	≈16	≈17	≈22.5
Dimension (W*D*H) [mm]	6058*2438*2896		12192*2438*2896

\* Grid side voltage 6-35kV optional. The size and parameters of customized models are subject to change, and the latest information of our company shall prevail without further notice.