

STRING PCS VERSION

	Aqua-C2.5S-5015-2500-2h	Aqua-C2.5S-5015-1250-4h
DC-side Parameters		
Nominal Capacity	5015 kWh	
Cell Type	LFP3.2 V / 314 Ah	
System Configuration	1P416S*12	
Battery Voltage Range	1123.2~1497.6 V	
Nominal Battery Voltage	1331.2 V	
AC-side Parameters		
Nominal Power	215 kW * 12	107 kW * 12
Max. THD of Current	< 3 % (Nominal Power)	
DC Component	< 0.5 %	
Nominal Voltage	690 V	
AC Voltage Range	607 V ~759 V	
Power Factor	≥ 0.99 (Nominal Power)	
Nominal Frequency	50 Hz / 60 Hz	
System Parameters		
Auxiliary Power Supply	400 V / 480 V	
SOC Calculation Accuracy	≤3 % (After Balancing)	
Operating Temperature Range	-30 °C ~ 50 °C (> 45 °C Derating)	
Relative Humidity	≤ 100% RH (Non-condensing)	
Max. Working Altitude	4000 m	
Protection Grade	IP 55 (Europe) Type 3S (US)	
Cooling Method	Intelligent Liquid Cooled	
Noises	≤ 75 dB (A), Standard Version ≤ 65 dB (A), Silencer Assembly (Optional)	
Weight	≤ 44000 kg	
Corrosion-proof Grade	C4 / C5 (Optional)	
Seismic Level	IEEE 693 Moderate Design Level Qualification IEEE 693 High Design Level Qualification (Optional)	
Snow/Ice Loads	30 lb /sqft	
Wind Loads	129 mph	
Dimensions (W*D*H)	6058*2438*2896mm	
-Fire Suppression System	Fire Control Alarm Panel, Smoke and Heat Detector, Audible and Visual Alarm, Ventilation System (NFPA 69 compliance for US), Dry Pipes with Sprinklers, Aerosol (Optional), Vent Panel (Optional, NFPA 68 compliance for US)	
Communication Interface	Ethernet (RJ45 / Optical Fiber)	
Compliance (US)	UL1973, UL 9540A, UL9540, UL 1741SB, IEEE1547 NFPA 855, NFPA 69, NFPA68 (Optional)	
Compliance (Europe)	IEC61000, IEC62619, IEC62933, IEC63056, IEC62477-1, EN50549 G99, CEI 0-16, VDE-AR-N 4110, VDE-AR-N 4120, NTS 2.1, NTS SENP 1.1	

HIGH-VOLTAGE BOX VERSION

Type Designation	Aqua-C2.5H-5015-2500-2h
DC-side Parameters	
Nominal Capacity	5015 kWh
Cell Type	LFP 3.2 V / 314 Ah
System Configuration	1P416S*12
Battery Voltage Range	1123.2~1497.6 V
Nominal Battery Voltage	1331.2 V
Nominal Power	2500 kW @ 0.5 CP (2h) 1250 kW @ 0.25 CP (4h)
System Parameters	
Auxiliary Power Supply	400 Vac, 50 Hz (Europe), 480 Vac, 60 Hz (US)
SOC Calculation Accuracy	≤3 % (After Balancing)
Operating Temperature Range	-30 °C ~ 50 °C (Optional -35 °C)
Relative Humidity	≤100% RH (Non-condensing)
Max. Working Altitude	4000 m
Protection Grade	IP 55 (Europe), Type 3S (US)
Cooling Concept	Intelligent Liquid Cooled
Noises	≤ 75 dB (A), Standard Version ≤ 65 dB (A), Silencer Assembly (Optional)
Weight	≤ 42000 kg
Corrosion-proof Grade	C4 / C5 (Optional)
Seismic Level	IEEE 693 Moderate Design Level Qualification IEEE 693 High Design Level Qualification (Optional)
Snow/Ice Loads	30 lb / sqft
Wind Loads	129 mph
Dimensions (W*D*H)	6058*2438*2896mm
Fire Suppression Concept	FACP, Smoke and Heat Detectors, Flammable Gas Detector, Sound Beacon, Compliance Ventilation System, Dry Pipes with Sprinklers, Aerosol (Optional)
Communication Interface	Ethernet (RJ45 / Optical Fiber)
Compliance (US)	UL 1973, UL 9540A, UL 9540, UN 38.3, Compliant to NFPA 855, NEC 2023, NFPA 70E, etc.
Compliance (Europe)	IEC61000, IEC62619, IEC629335-2, IEC 63056, EN 62477-1, UN38.3/UN3536, CE
Transportation	Fully Populated with Battery Packs