

UTILITY

IES 5016-L



Front Maintenance & Modular Design

Facilitates station deployment and equipment maintenance



Smart O&M

Supports remote monitoring, troubleshooting and data analysis



Efficient Thermal Management System

System temperature difference $\leq 3^{\circ}\text{C}$,
operating temperature rise $< 7^{\circ}\text{C}$



Safe & Reliable

Multi-level early warning and fire suppression design



Flexible Expansion

Supports capacity expansion, multiple machines connected in parallel, adapt to mainstream PCS

Liquid Cooled		IES 5016-L
Cell Technology	LFP-3.2V / 314Ah	
Battery Pack Configuration	1P104S	
Battery Cluster Configuration	1P416S	
System Configuration	12*1P416S	
Rated Power	5.016 MWh	
Rated Voltage	1331.2 V	
Battery Voltage Range	1040 V ~1497.6 V	
Battery System Charge/Discharge Rate	0.5P	
OTHER PARAMETERS		
Dimension (W×D×H)	6058 x 2438 x 2896 mm 238.5 x 96 x 114 inch	
Weight	40T - 45T (88 184.9 lbs- 99 208.0 lbs)	
Operating Temperature Range	-30°C ~+55°C (-22°F~+131°F) (Derating Below -15°C or Above 45°C)	
Relative Humidity	5~95% (No Condensation)	
Maximum Working Altitude	≤3000m (> 2000m Derating)	
Noise	≤75dB	
Ingress Protection Rating	IP 55	
Heat Dissipation Method	Liquid Cooling	
Firefighting	Aerosol: Module-level + Containerized-level, Water Firefighting, Combustible Gas Detection & Exhaust, Explosion Venting Design	
Communication	CAN / RS485 / TCP/IP	
Cycle Life	8000 Cycles (25±2°C, 0.5P/0.5P, 70% SOH)	
STANDARD COMPLIANCE		
Compliance	UN38.3 / UN3536 / IEC62619 / IEC61000 / IEC62477-1 / CQC (More available upon request)	