5.X String-type Liquid Cooling Energy Storage System

CESS-L5016-STR-0.5C CESS-L5016-STR-0.25C

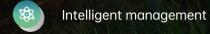
The string energy storage realizes one-cluster-one-management. Each battery cluster independently controls charging and discharging to avoid the influence of circulating current and realizes fault isolation. The system supports the mixed use of new and old batteries. Long-life battery cells are adopted, and the system life is increased by 30%. The BMS (Battery Management System) adopts an active equalization scheme and is equippedwith PACK-level fire protection. The noise of the whole cabin during operation is less than 75 dB(A)

Product Features











Long life cycle and low noise



Product Parameters

PRODUCT MODEL

DC-side Parameters Cell Type LFP 3.2V/314Ah LFP 3.2V/314Ah 5.016MWh 5.016MWh Capacity DC Voltage Range 1081.6V ~ 1497.6V 1081.6V ~ 1497.6V Smart liquid cooling/heating for Smart liquid cooling/heating for Thermal Management System battery system battery system Fire Detection and Alarm Fire alarm panel, heat and smoke detection, Fire alarm panel, heat and smoke detection, Fire Suppression Options Aerosol-based suppression system. Aerosol-based suppression system. Flooded fire protection systems Flooded fire protection systems

CESS-L5016-STR-0.25C

≤75dB (A)

Yes

CESS-L5016-STR-0.5C

≤75dB (A)

Yes

System Parameters

Noise@1m distance

PACK-Level Fire Protection

6058×2438×2896mm 6058×2438×2896mm Dimensions ≤44t ≤44t Weight Operating temperature rang -30°C~55°C -30°C~55°C Relative humidity 0% ~ 100% 0% ~ 100% Ingress protection rating IP55 4000m (> 2000m derating) 4000m (> 2000m derating) Max. altitude Communication Protocol Modbus TCP、IEC104、IEC61850 Modbus TCP、IEC104、IEC61850 Certificate IEC 62619,IEC 63056,IEC61000, IEC 62619,IEC 63056,IEC61000, IEC 62477-1.EC62933-5-2, IEC 62477-1.EC62933-5-2, UN3536,UN 38.3, UL9540A UN3536,UN 38.3, UL9540A