

3.X Liquid Cooling Energy Storage System

CESS-L3727-EU-0.5C
CESS-L3727-US-0.5C
CESS-L3440-EU-1C

The system highly integrates long-life battery, BMS, thermal management system, safety management system and intelligent power distribution system in a 20 ft standard container, and applies to all kinds of scenarios.

Scheme Characteristics

-  Safe
-  Reliable
-  High efficiency
-  Support the network construction
-  Fast frequency modulation



Product Parameters

PRODUCT MODEL	CESS-L3727-EU-0.5C	CESS-L3727-US-0.5C	CESS-L3440-EU-1C
DC-side Parameters			
Cell type	LFP 3.2V/280Ah	LFP 3.2V/280Ah	LFP 3.2V/280Ah
Capacity	3.727MWh	3.727MWh	3.44MWh
DC Voltage Range	1081.6V - 1497.6V	1081.6V - 1497.6V	1075.2V-1382.4V
System Configuration	416S10P	416S10P	384S10P
Thermal ManagementSystem	Smart liquid cooling/ heating for battery system	Smart liquid cooling/ heating for battery system	Smart liquid cooling/ heating for battery system
Fire protection system	Combustible gas detection + emergency ventilation + aerosol fire fighting + water fire fighting	Combustible gas detection + emergency ventilation + aerosol fire fighting + water fire fighting	Combustible gas detection + emergency ventilation + aerosol fire fighting + water fire fighting

System Parameters			
Dimensions of Battery Container	6058×2438×2896mm	6058×2438×2896mm	6058×2438×2896mm
Weight of Battery Container	≤36t	≤36t	≤36t
Operating temperature range	-30°C - 50°C	-30°C - 50°C	-30°C - 50°C
Relative humidity	0% ~ - 100%	0% - 100%	0% - 100%
Ingress protection rating	IP55	IP55	IP55
Max. altitude	4000m (> 2000m derating)	4000m (> 2000m derating)	4000m (> 2000m derating)
Communication protocol	Modbus TCP, IEC104, IEC61850	Modbus TCP, IEC104, IEC61850	Modbus TCP, IEC104, IEC61850
Certificate	IEC 62619, IEC 63056, IEC61000, IEC 62477-1, IEC62933-5-2, UN3536, UN 38.3	UL 1973, UL 9540, UL 9540A, FCC part 15B, NFPA855, UN3536, UN 38.3	IEC 62619, IEC 63056, IEC61000, IEC 62477-1, IEC62933-5-2, UN3536, UN 38.3, UL9540A