



OSS Utility-Scale BESS

This robust, utility-scale battery energy storage system tames fluctuating renewable energy sources, storing excess power and delivering it when demand peaks. The OSS optimizes grid stability and integrates seamlessly with solar, wind farms, and diesel generators. Its modular design allows for custom capacity and easy expansion, making Dantru OSS the key to a clean and reliable energy future.

Technical Specifications

OSS 2K

OSS 4K

Cell Type	LiFePO4 (LFP)	LiFePO4 (LFP)
Battery Energy	1.95MWh	3.35MWh
Rated Voltage	870.4Vdc	1331.2Vdc
Voltage Range	762Vdc to 979Vdc	1165Vdc to 1498Vdc
Efficiency	97%	97%
Throughput Energy	5000MWh (+25°C, 0.5C, 90%DOD, 70%SOH)	9000MWh (+25°C, 0.5C, 90%DOD, 70%SOH)
Max Charging Current	1120A (0.5C)	1260A (0.5C)
Max Discharging Current	1120A (0.5C)	1260A (0.5C)
Charge/Discharge Power	1.0MW	1.6MW
Communication Protocol	MODBUS RTU/TCP/CAN	MODBUS RTU/TCP/CAN
Operation Temperature	-20°C to 45°C	-20°C to 55°C
Storage Temperature	-20°C to 45°C	-20°C to 45°C
Humidity	0% to 95% (No Condensation)	0% to 95% (No Condensation)
Altitude	<3000m	<3000m
IP Rating	IP55	IP55
Dimension (WxHxD)	6058x2896x2438mm	6058x3200x2600mm
Weight	<21T	<35T
Cooling Method	Air Conditioning	Liquid Cooling