



Pioneers in Energy Storage. Leaders in Innovation.

Utility-Scale BESS | C&I Applications | Microgrid System

LS Energy Solutions is a proven provider of energy storage systems with multiple GW of battery energy storage systems (BESS) installed. The company's product portfolio includes advanced string inverters and complete battery energy storage systems, available in modular 500 kWh to 10+ MWh configurations. LS Energy Solutions' expert team of field service engineers provides preventative maintenance services, commissioning and testing services, system upgrades and modifications, and long-term service agreements. The company's nationwide BESS service coverage dispatches experienced technicians of factory-trained engineers with OEM parts access to handle advanced energy storage deployments. With multiple GW of operational service contracts, the LS Energy Solutions engineering team can manage utility-scale BESS for C&I applications and microgrid systems.

AiON-SIS Air-Cooled String Inverter



Input Voltage Range:	620 – 1500VDC
Nominal Output Voltage:	400/480/600VAC
Power Rating:	116kW/140kW/140kW
Operating Temperature:	-10°C to 45°C
Altitude:	0m to 2000m
Efficiency:	Maximum >98.5% / CEC > 97.9%
Dimensions:	19" x 10.4" x 33.2"

Key Features

- + Modular string-level inverter architecture for utility-scale deployments
- + Scalable from kW to MW-level PCS systems
- + Advanced control features

MSSP GEN 2.0 Liquid-Cooled String Inverter



Input Voltage Range:	1050 – 1500VDC
Nominal Output Voltage:	480/600/690VAC
Power Rating:	150kW/190kW/220kW
Operating Temperature:	-20°C to 50°C
Altitude:	0m to 2000m
Efficiency:	Maximum > 99 % / CEC > 98.5 %
Dimensions:	15.39" x 8.96" x 62"



Grid-ready power conversion for utility-scale energy storage systems. LS-ES inverters offer advanced grid support functions including four-quadrant operation, autonomous voltage and frequency regulation. Backed by LS ELECTRIC's 50+ years of power electronics expertise, these models combine utility-scale power density with the reliability and serviceability demanded by grid operators for mission-critical storage applications.

