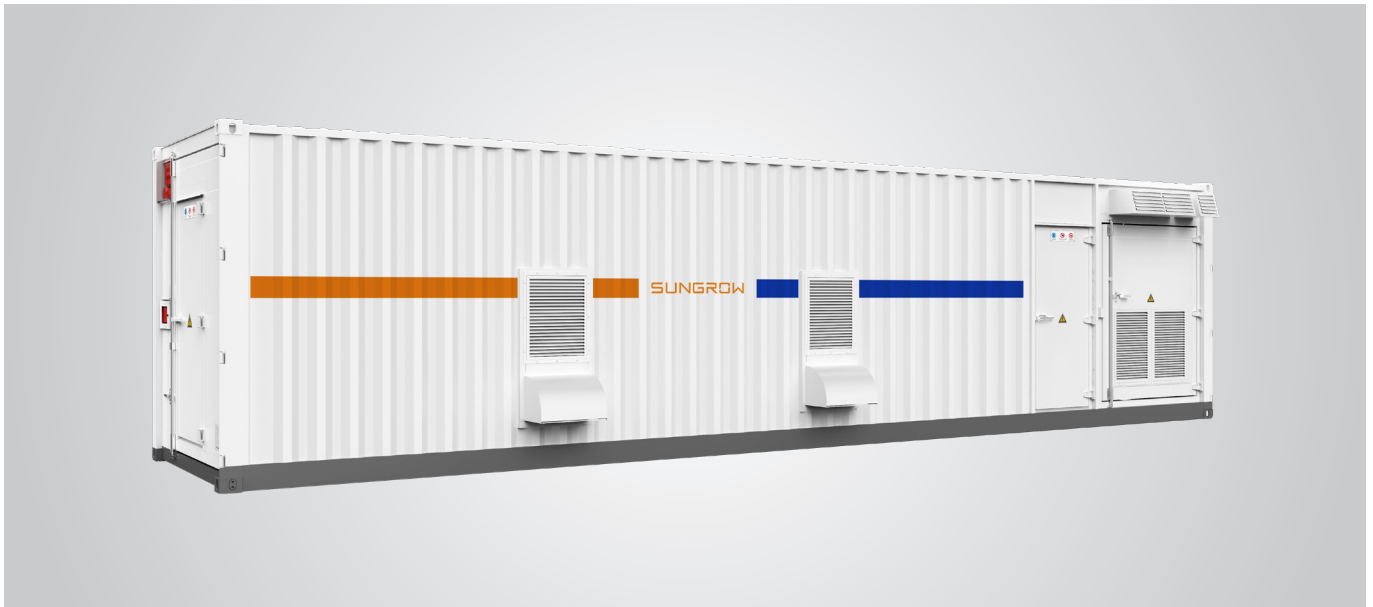


# ST2192KWH-2000

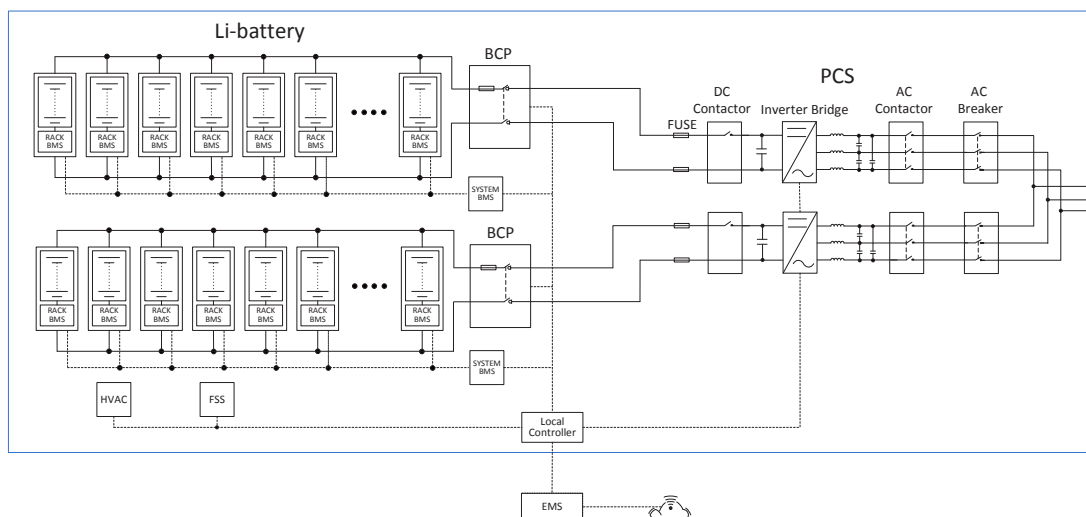
Storage System



## SYSTEM FEATURES

- All-in-one package to allow easy transportation and minimized on-site labor
- Flexible system configuration for easy capacity expansion
- High efficiency system integrated with reliable lithium battery
- Integrated local controller to enable unified communication
- Integrated HVAC and FSS to ensure system safety and maximize system efficiency

## CIRCUIT DIAGRAM



System Type	ST2192KWH-2000
<b>Battery Data</b>	
Cell type	Samsung SDI Mega M2F, 3.68V/94Ah
Configuration of system	264S24P
Battery capacity (BOL)	2,192 kWh
Battery voltage range	844 ~ 1,095 V
BMS communication interfaces	RS485, Ethernet
BMS communication protocols	Modbus RTU, Modbus TCP
<b>AC Data</b>	
Nominal AC power	2,000 kVA
Max. AC power	2,200 kVA
Max.THDr of current	< 3 % (at nominal power)
DC component	< 0.5 % (at nominal power)
Nominal grid voltage	540 V
Grid voltage range	475 ~ 594 V
Power factor	> 0.99 (at nominal power)
Adjustable power factor	0.8 leading ~ 0.8 lagging
Nominal grid frequency	50 Hz
Grid frequency range	45 ~ 55 Hz
Isolation method	Transformerless
<b>General Data</b>	
Dimensions (W * H * D)	12,192 * 2,896 * 2,438 mm / 480.0" * 114.0" * 96.0"
Weight (with / without battery)	33.0 T / 18.0 T 72,752 lbs / 39,683 lbs
Degree of protection	IP54 / NEMA 3R
Operating temperature range	-30 to 50 °C / -22 to 122 °F
Relative humidity	0 ~ 95 % (non-condensing)
Max. working altitude	3,000 m (> 2,000 m derating) 9,843 ft (> 6,561 ft derating)
Cooling concept of battery chamber	Heating, Ventilation and Air Conditioning
Cooling concept of PCS chamber	Temperature controlled forced air cooling
Fire suppression system of battery unit	FM-200 extinguishment system
Communication interfaces	RS485, Ethernet
Communication protocols	Modbus RTU, Modbus TCP, IEC 104
Certificates	TÜV

