

## System Type

ST343KWH-100

ST274KWH-100

DC Data		
Cell type	Samsung SDI Mega E2, 3.68V / 94Ah	
Configuration of system	198S5P	198S4P
Battery capacity (BOL)	343kWh	274kWh
Battery voltage range	633 ~ 822V	
BMS communication interfaces	RS485, Ethernet	
BMS communication protocol	Modbus RTU, Modbus TCP	
AC Data		
Nominal AC power	100kVA	
Max. AC power	110kVA	
Max. THD of current	< 3 % (at nominal power)	
DC component	< 0.5 % (at nominal power)	
Nominal grid voltage	400 V	
Grid voltage range	310 ~ 450V	
Power factor range at nominal power	0.8 leading ~ 0.8 lagging	
Nominal grid frequency	50 Hz	
Insulation method	Transformer	
Nominal output voltage of off grid	400V	
Max. THD of off grid output voltage	< 3 % (linear load)	
Accessories (Optional)		
DCDC converter	SD100-B	
General Data		
Dimensions of PCS unit (W * H * D)	1,450 * 2,440 * 1,100 mm / <b>57.1" * 96.1" * 43.3"</b>	
Dimensions of battery unit (W * H * D)	3,740 * 2,440 * 1,182 mm / <b>147.2" * 96.1" * 46.5"</b>	
Weight of PCS unit	2,000 T / <b>4,409 lbs</b>	
Weight of battery unit (with / without battery)	5.5 T / 3.2T <b>12,125 lbs / 7,055 lbs</b>	
Degree of protection	NEMA3R/ IP54	
Operating temperature range	-30 to 50 °C / <b>-22 to 122 °F</b>	
Relative humidity	0 ~ 95 % (non-condensing)	
Max. working altitude	3,000 m / <b>9,842 ft</b>	
Cooling concept of Battery	Heating, Ventilation and Air Conditioning	
Cooling concept of PCS	Temperature-controlled forced air cooling	
Communication interface	RS485, Ethernet, CAN	
Communication protocol	Modbus RTU, Modbus TCP	
Compliance	AS 62040.1.1:2003, AS / NZS 4777.2:2015, AS / NZS 3000:2018	
Certificates	TÜV	