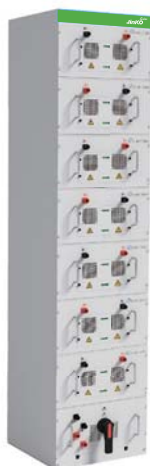


□ Key Components



Battery String-S69/98/135

- 0.5C Charge/Discharge;
- The power supply can be a single battery string or parallel battery strings;
- Easy configuration and maintenance;

Item	Data
Pack QTY	6/8/11
Nominal capacity	69/98/135kWh
Rated voltage	384/512/704V
Voltage range	336V~792V
Pack	64V/96Ah@2P20S
String measuring voltage range	100~1,000V
String voltage detection accuracy	±1%
String voltage sampling period	100ms
String measuring current range	±300A
String current detection accuracy	≤1%
SOC calculation accuracy	≤7%
Input insulation resistance	≥10MΩ, 1,000V DC
Communication	ModbusTCP, ModbusRTU
System cycle life	≥5,000 0.5C@25°C 90%DOD
Dimension (W*D*H)	890*750*1850mm
Weight	700kg
Certifications	UL9540A, IEC62619, CE UN38.3



Power Conversion System

- Single-stage three-level modularization;
- Multi-branch input to reduce battery series and parallels connection;

Item	Data
PV input voltage	250~850Vdc(MPPT 450V~850V)
Number of MPPT	MPPT=1
PV string configuration	Voc<850Vdc
Max PV input power	60kWp
DC input voltage	320~850Vdc
DC input current	0~187A
Max DC input power	50kW
Rated output power	50kW
Rated grid voltage	400V
Grid voltage range	±15%
The frequency range of the power grid	50/60±2.5Hz
AC rated current	72A
Adjustable PF	1(leading)~1(lagging)
Off-grid voltage	400V
Off-grid voltage range	±10%
STS Capacity	50KW
Weight	720kg

SYSTEM TECHNICAL SPECIFICATIONS

Item	JKS69K-50H	JKS135K-50H	JKS196K-50H
DC Data			
Battery chemistry	Lithium Iron Phosphate (LFP)		
Cell life cycle	80% Retention with 5,000 Cycles @0.5C 25°C		
Cell spec	3.2V/96h		
Battery string model	S69-6P11/S135-11P12/S98-8P12		
Number of strings	1	1	2
DC rated energy capacity	69kWh	135kWh	196kWh
Rated voltage	384/704/512V		
Voltage range	336V~432V/616V~792V/448V~576V		
BMS communication interface	RS485, Ethernet		
BMS communication protocol	Modbus RTU, Modbus TCP		
AC Data			
Rated AC power	50kW		
Maximum AC power	55kW		
Rated grid voltage	400V		
Grid voltage range	±15%		
AC rate of current	72A		
Output THDi	≤3%		
Adjustable PF	1(leading)~1(lagging)		
Grid frequency range	50/60±2.5Hz		
Isolation method	3 Phase 4 Line Transformer		
General Data			
Dimension w/o clearances (W*D*H)	2,200*1,800*2,550mm		
Weight of the whole system	< 2.97t	< 3.8t	< 5.5t
Degree of protection	IP54		
Operating temperature range	-20~40°C		
Relative humidity	0~95% (non-condensing)		
Max working altitude	3,000m/9,842ft		
Cooling concept of DC hatch	HVAC		
Communication interfaces	RS485, Ethernet, GPRS		
Certifications	UL9540A, IEC62619, CE , UN38.3		

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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