



SAL 8K-US/ EU SAL 10K-US/ EU

Solar storage inverter

Application Scenario



House



Farm



Telecom



Countryside



Island



Pasture

Product Feature

- Adopt DSP full digital control mode
- High precision MPPT controller.
- The battery has a balanced charging mode
- Battery can use PV maximum to input voltage 500Vdc or not use.
- Both are configured the grid and PV prioritize.
- Monitoring system WIFI/GPRS option
- Support 6 machines in parallel, constitute three-phase four-wire power generation system.
- If the photovoltaic power is insufficient, the photovoltaic can be combined with the power grid and battery to supply the load
- Economic model can be used to charge and discharge the inverter.
- Power grid and oil machine can be freely selected.

Product Feature

Datasheet	SAL 8K-US/ EU	SAL 10K-US/ EU
Battery Input/ Output Data		
Battery Voltage	48VDC	
Hybrid Charging Maximum Charging Curren	8K (180A)	10K (200A)
Battery Type	Lithium/Lead-acid	
Solar Input Data		
Maximum PV Input Power	2*5500W	
MPPT Range @ Operating Voltage	120VDC -450VDC	
Maximum PV Input Current	22A*2	
Number of Independent MPP Trackers/ Strings Per MPP Tracker	2/2	
Maximum PV Open-circuit Voltage	500VDC	
Maximum Solar Charge Current	8K (160A)	10K (200A)
AC Output Data		
Rated Power	8K (8000VA/ 8000W)	10K (10000VA/10000W)
Parallel Capabilitye	Yes, 6 units maximum	
AC Voltage Regulation	8K/10K EU (230VAC ± 5% @ 50/60Hz) 8K/10K US (120/240VAC ± 5% @ 50/60Hz)	
Surge Power	8K (16000VA)	10K (20000VA)
Efficiency (Peak)	93%	
Waveform	Pure sine wave	
Transfer Time	10ms typical, 20ms Max	
AC Charger Data		
Charge Current	8K (100A)	10K (120A)
AC Input Voltage	EU (230 VAC)	US (120 VAC)
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50Hz/60Hz (Auto sensing)	
PHYSICAL Data		
Protection Degree	IP20	
Dimension (L/W/D)	645(L)x450(W)x133(D)mm	
Packaging Dimension (L/W/D)	802(L)x567(W)x240(D)mm	
Net Weight	28KG	
OPERATING ENVIRONMENT Data		
Certificate	EU (IEC62109-1/2, EN61000-6-1/3) US (UL1741/ FCC)	
Humidity	5% to 95% Relative Humidity(Non-condensing)	
EMC Certification Level (EMC)	EU (class B)	US (FCC)
Altitude	<2000m	
Operating Temperature	0°C - 55°C	
Storage Temperature	-15°C - 60°C	