SAL 5K-EU

Solar storage inverter

Bentterson

Application Scenario

House	Farm	Telecom	Countryside	Island	Pasture

Product Feauture

- 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 Feauture

Datasheet	SAL 5K-EU
Battery Input/ Output Data	
Battery Voltage	48VDC
Hybrid Charging Maximum Charging Curren	100A
Battery Type	Lithium/Lead-acid
Solar Input Data	
Maximum PV Input Power	6000W
MPPT Range @ Operating Voltage	120VDC -450VDC
Maximum PV Input Current	22A*2
Number of Independent MPP Trackers/ Strings Per MPP Tracker	1/1
Maximum PV Open-circuit Voltage	500VDC
Maximum Solar Charge Current	100A
AC Output Data	
Rated Power	5000VA/ 5000W
Parallel Capabilitye	Yes, 6 units maximum
AC Voltage Regulation	230VAC ± 5% @ 50/60Hz
Surge Power	10000VA
Efficiency (Peak)	93%
Waveform	Pure sine wave
Transfer Time	10ms typical, 20ms Max
AC Charger Data	
Charge Current	60A
AC Input Voltage	230 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)	485(L)x335(W)x124(D)
Packaging Dimension (L/W/D)	612(L)x424(W)x208(D)mm
Net Weight	14Kg
OPERATING ENVIRONMENT Data	
Certificate	IEC62109-1/2, EN61000-6-1/3
Humidity	5% to 95% Relative Humidity(Non-condensing)
EMC Certification Level (EMC)	class B
Altitude	<2000m
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C - 60°C