

Single Phase Hybrid Storage Inverter

3-6 kW

- O Support for Time-of-use Optimization
- Configurable Operation Modes
- Arc Fault Circuit Interrupter (AFCI) (optional)
- The charging and discharging power of the battery is greater
- PHI Build in Anti-feed-in Function
- Compact Size and Easy Installation
- Constraint Smart Monitoring & Remote Firmware upgrade
- Off-grid mode, with a larger load capacity, the maximum load can be 6KVA





Warranty

Stackable Home Energy Storage

- High capacity
- Scalable design
- Efficient Performance
- Safe and Reliable
- Real-time Monitoring
- Ourability
- intelligent BMS
- Seamless Integration
- Max. 5.12 Capacity







Smart Charge/discharge Life cycles

6,000+





Sunerg



EN

Single Phase Hybrid Storage Inverter



Plus Serie

V Input X:SUMSEP X:SUMSEP X:SUMSEP X:SUMSEP tis: hip-RPsart MM 4.5 0.0 7.5 9.0 tis: hip-RPsart MM 60 50 50 50 PPT Ramp M 60 50 50 50 IMP Lange M 60 50 60 50 ame Vision M 50 60 50 50 ame Vision M 30 120 50 100 50 ame Vision M 100 <td< th=""><th></th><th></th><th></th><th></th><th></th></td<>					
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Communication with RSD SUNSPEC SUNSPEC	tandby Consumption (W)	< 10		< 10	
	lounting	Wall Bracket		Wall Bracket	
LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G	communication with RSD	SUNSPEC		SUNSPEC	
	visplay & Communication Interfaces		LCD, LED, RS485. (CAN, Wi-Fi, GPRS, 4G	

NRS097, G98/G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2

EN61000-6-2, EN61000-6-3

Security EMC/Standard

Certification & Approvals



Stackable Home Energy Storage

Tecnical Specification			BLV-5.12-A	
Model	51.2 V 100Ah	51.2 V 200Ah	51.2 V 300Ah	51.2 V 400Ah
Layers	1	2	3	4
Picture	€•••			
Energy	5.12 KWh	10.24 KWh	15.36 KWh	20.48 KWh
Dimension (L*W*H) mm	600*210*440	600*210*740	600*210*1040	600*210*1340
Weight (Kg)	56	104	152	200

Single Module Specification	BLV-5.12-A		
Normal Voltage (Vdc)	51.2		
Normal Capacity (Wh)	5120		
Operating Voltage Range (Vdc)	43.2 V ~ 56.16 V		
Charge Voltage (Vdc)	58.4		
Nominal Charge/Discharge current (A)	50 A		
Max. Charge / Discharge Current (A)	100 A		
Peak Discharge Current	150 A 600ms		
Parallel Connection	≤ 15 pcs		
Cycle Life	6000 @ 80% DOD, 25°C / 0.5C		
Structure			
Dimension (mm)	600*210*300		
Weight (Kg)	48		
IP Rating	IP65		
Cell Technology	Lithium-iron phosphate (LiFePO4)		
Working Environment			
Charge Working Temperature (°C)	0 ~ 55		
Discharge Working Temperature (°C)	-20 ~ 60		
Altitude (M)	<2500		
Humidity (RH)	5 ~ 95% (w/o condensing)		
Comunication			
Comunication Port	RS458, CAN		
LED Display	SOC status indicator, LED indicator		
Certification			
	CB, IEC62619; CE-EMC, CE-GPSD, UKCA; UN38.3, MSDS		
Accessories	BLV-BASE+TOP		
	Installation cover and base + accessories		

Sunerg Solar S.r.l. reserves the righ to make changes to the products' tecnical data without prior notice.

The technical details of the form, although included with the utmost care, may contain errors or inaccuracies not attributable to Sunerg Solar S.r.I.

The Sunerg X-SUN-SL single phase Series storage Inverters are designed to increase energy independence for homeowners. Combined with our modular stackable Energy storage System, it offers freedom and control of managing the energy consumption.

The Inverter's power range is from 3kW to 6kW and the energy management is based on time-of-use and demand charge rate structures, significantly reduce the amount of energy purchased from the public grid.

Thanks for the UPS function (switch time < 10ms), enables the crucial loads power on during outages. Additionally, under the backup operation mode, the inverter provides you up to 150% peak output overloading.

The X-SUN-SL Single phase Series storage inverters integrated with Arc Fault Circuit Interrupter (AFCI) and Rapid Shutdown.

With the batterie's modular design you can also customize the system to meet your specific needs by easily adding or removing energy storage units.



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