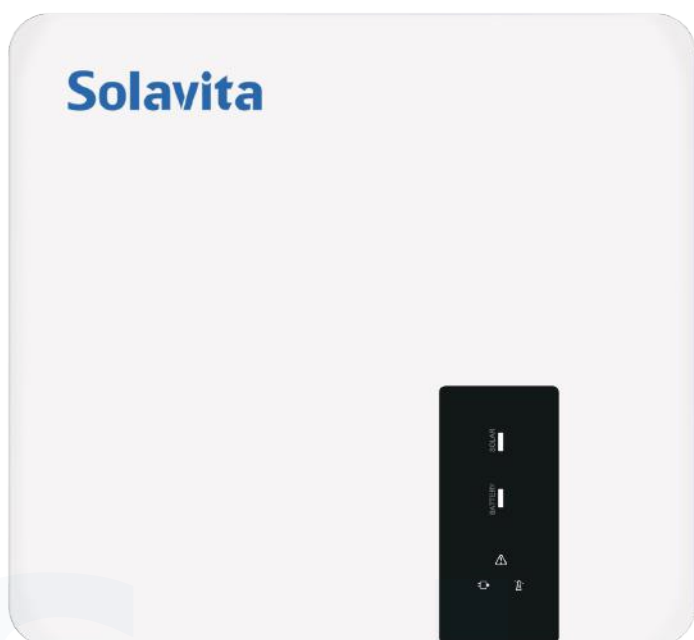


Single Phase Hybrid Inverter



Compact wall
mount design



IP66 Dust &
Water Proof



High Efficiency up to
97.6%



Shadow scan function,
optimize power generation
efficiency



Plug and play installation



5+5 years warranty

Solavita

Technical Specifications

Model	SV 3KHS-G2	SV 3.6KHS-G2	SV 4KHS-G2	SV 5KHS-G2	SV 6KHS-G2
PV input					
Max. PV array power	5500 Wp STC	6180 Wp STC	6500 Wp STC	7500 Wp STC	9000 Wp STC
Max. input voltage	550 V				
MPP voltage range / rated input voltage	40 V to 530 V / 380 V				
No. of independent MPPT trackers / strings per MPPT input	2 / 1				
Max. input current per MPP tracker	16 A				
Max. short-circuit current per MPP tracker	20 A				
Battery input					
Nominal battery voltage	48 V/51.2V				
Battery voltage range	40 V to 60 V				
Max. charging / discharging power	5000 W / 5000 W				
Max. charging current / Max. discharging current	100 A / 100A				
Battery type	LiFePO4				
Compatible Battery	SV LB-S series				
AC output					
AC voltage range / Nominal AC voltage	180 V to 280 V / 230 V				
Rated AC grid frequency	50 Hz / 60 Hz				
Rated apparent power	3000 VA	3680 VA	4000 VA	5000 VA	6000 VA
Max. apparent power	3000 VA	3680 VA	4000 VA	5000 VA	6000 VA
Rated grid output Current (@230V)	13.1 A	16 A	17.4 A	21.7 A	26.1 A
Max. grid output current	13.6 A	16 A	18.2 A	22.7 A	27.3 A
AC input					
Rated grid voltage	a.c. 230V				
Rated grid frequency	50Hz / 60Hz				
Rated apparent power	6000 VA				
Max. input apparent power from grid	6000 VA				
Max. input current from grid	a.c. 27.3 A				
EPS output					
Nominal output voltage	230 V				
Nominal output frequency	50 Hz / 60 Hz				
Rated apparent power	5000 VA				
Max. output apparent power	5000 VA				
Peak output apparent power	7500 VA, 10s				
Rated Current (@230V)	21.7A				
Max. output current	21.7A				
Max. switch time	≤ 10 ms				
Output THDi (@ Linear load)	<3%				
Effi-ciency					
MPPT efficiency	99.90%				
Euro efficiency / Max. efficiency	97% / 97.6%				
Max. battery to load efficiency	94.70%				
Safety protection					
DC-side disconnection device	•				
PV string- / Battery input reverse polarity protection	• / •				
All-pole sensitive residual current monitoring unit	•				
Anti-islanding protection	•				
Ground fault protection	•				
AC output over current / short circuit current protection	• / •				
AC over voltage protection	•				
Protection class (as per IEC 62109-1) / overvoltage category (as per IEC 62109-1)	I / AC: III; DC: II				
General data					
Power factor at rated power / adjustable displacement	≥0.99 / 0.8 leading to 0.8 lagging				
Dimensions (W / H / D)	483 / 455 / 193.5 mm				
Device weight	25.1kg				
Operating temperature range	-25 °C ... +60 °C				
Noise emissions (typical)	30 dB(A)				
Standby consumption	< 10 W				
Cooling concept	Natural convection				
Degree of protection (as per IEC 60529)	IP66				
Climatic category (according to IEC 60721-3-4)	4K4H				
Max. permissible value for relative humidity (non-condensing)	100%				
Max. operating altitude	4000m (>3000m power derating)				
Features					
User interface	LED & App				
Communication with BMS	RS485 / CAN				
Communication with meter	RS485				
Communication with portal	WIFI stick / LAN				
Integrated power control / Zero export control	• / •				