



Solis Single-phase (3-6)K

Single-phase string inverter

Solis single-phase 3-6 kW string inverters with double MPPT and DC disconnect switch represent an optimal solution for residential installations.

Small in size and easy to install, these inverters have a wide range of input voltages to allow you to collect the maximum amount of energy possible from the photovoltaic system and with a maximum efficiency of up to 97.7% they are ideal for installations in small spaces.

Features:

- Simple installation;
- Efficiency up to 97.7%;
- String current up to **14A**;
- 2 independent MPPT;
- Compact and lightweight;
- RS485, WiFi/GPRS (optional);
- "Zero entry" function (with accessory);
- Ingress protection IP66;
- 10-year warranty;
- Monitoring included, WiFi;
- Energy S.p.A. assistance.



Dimensions:

Width: 310 mm
Height: 543 mm
Depth: 160 mm
Weight: 12 kg



SAVE YOUR PLANET
www.energyspa.com

Model	Solis S6-GR1P3K	Solis S6-GR1P4K	Solis S6-GR1P5K	Solis S6-GR1P6K
Item Code	90051058	90051060	90051062	90051064
INPUT DC				
Recommended max. PV power [kW]	4.5	6	7.5	9
Max input voltage [V]	600			
Start-up voltage [V]	120			
MPPT voltage range [V]	90-520			
Max. input current [A/B]	14A / 14A			
Max. Short Circuit current [A]	22 / 22			
MPPT number/Max input strings number	2/2			
OUTPUT AC				
Rated output power [kW]	3	4	5	6
Max. apparent output power [kVA]	3.3	4.4	5	6
Max. output power [kW]	3.3	4.4	5	6
Rated grid voltage and frequency [V-Hz]	220/230 - 50/60			
Rated grid output current [A]	13.6/13.0	18.2/17.4	22.7/21.7	27.3
Max. output current [A]	15.7	21.0	25.0	27.3
Output Power Factor	0.8 leading ...0.8 lagging			
THDi [%]	<3			
EFFICIENCY				
Max. efficiency [%]	97.3	97.6	97.7	
EU efficiency [%]	96.6	97.1	97.1	
PROTECTION				
DC reverse-polarity protection	Yes			
Short circuit protection	Yes			
Output over current protection	Yes			
Surge protection	Yes			
Grid monitoring	Yes			
Anti-islanding protection	Yes			
Temperature protection	Yes			
Integrated AFCI (DC arc-fault circuit protection)	Yes			
Integrated DC switch	Optional			
GENERAL DATA				
Dimensions [WxD, mm]	310x543x160			
Weight [kg]	11.2	12		
Topology	Transformerless			
Self consumption [W, night]	<1			
Operating ambient temperature range [°C]	-25 ~ +60			
Relative humidity [%]	0-100			
Ingress protection	IP66			
Cooling concept	Natural convection			
Max. operation altitude [m]	4000			
Grid connection standard	CEI021, G98, G99, VDE-AR-N 4105, EN 50549-1, VDE0126, UTE C15, VFR:2019, RD1699, RD 244, UNE 206006, UNE 206007-1, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA			
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-3			
DC connection	MC4 connector			
AC connection	Quick connection plug			
Display	LCD			
Communication	RS485, WiFi or GPRS: optional			
Warranty [years]	10			

Energy S.p.A.

Registered office:
Piazza Manifattura, 1
38068, Rovereto TN
Tel. +39 0464 350812 - Fax +39 0464 350512



www.energyspa.com
www.bandoaccumulo.com

Energy S.p.A.

Operation/Warehouse:
Via Zona Industriale, 10
35020, Sant'Angelo di Piove di Sacco (PD) - Italy
info@energysynt.com
Tel. +39 049 2701296 - Fax +39 049 8599098