D-CORP INVEST PRESENTS

Solis

Product catalogue

Solar inverters, energy storage and plant monitoring



2026 PORTFOLIO · GLOBAL V3.9

Explore home and commercial hybrid inverters, off-grid systems, grid-tied PV, utility equipment and SolisCloud.

54 PRODUCT AND SOFTWARE PROFILES

8 PRODUCT LINES

Storage and residential PV

Hybrid and off-grid storage, followed by residential grid-tied inverters.

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- S6-EH2P(5-8)K02-SV-YD-L 09
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MANUFACTURER IN BRIEF

About Solis

Ginlong Technologies · Founded in 2005



Ginlong Technologies develops and manufactures Solis string inverters for residential, commercial and utility-scale projects. The portfolio covers solar PV conversion, battery storage and plant monitoring.

Residential

Hybrid, off-grid and grid-tied inverters for home solar.

Commercial

Three-phase hybrid and string inverters for larger sites.

Utility

High-voltage PV conversion, MV stations and plant monitoring.

USING THIS CATALOGUE

Technical summaries follow the supplied Solis Global V3.9 brochure. Check the exact model for grid voltage, battery compatibility and regional certifications.

Solis Global V3.9 / brochure pp. 3-6

PRODUCT LINE 01 OF 08

Residential energy storage

Single-phase, split-phase and three-phase hybrid inverters, plus AC-coupled battery retrofits.



FEATURED IN THIS LINE



S6-EH1P L-PLUS · 3-10 kW



S6-EH3P(12-20)K-H



S6-EA3P(5-10)KAA-NV-YD-H-PRO

14 PROFILES

PAGES 06-19

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RESIDENTIAL STORAGE

S5-EH1P(3-6)K-L

Single-phase low-voltage hybrid inverter · Smart series

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
3-6 kW	42-58 V	IP65



Image / Solis Global V3.9

HIGHLIGHTS

Time-of-use control
Schedules battery charging and discharging around electricity tariffs.

Battery choices
Supports compatible lithium-ion and lead-acid batteries.

Local operation
A 7-inch display provides access to local settings.

KEY SPECIFICATIONS

NOMINAL AC 220/230 V	MPPT VOLTAGE WINDOW 90 - 520 V
MPPTS / PV STRINGS 2 / 2	MAX. BATTERY CHARGE / DISCHARGE 62.5-100 A
PEAK EFFICIENCY > 97.1%	MAXIMUM DC INPUT 600 V

MODELS LISTED IN THE BROCHURE

S5-EH1P3K-L	S5-EH1P3.6K-L	S5-EH1P4.6K-L
S5-EH1P5K-L	S5-EH1P6K-L	

Solis Global V3.9 / brochure pp. 13-14

RESIDENTIAL STORAGE

S6-EH1P(3-8)K-L-PLUS S6-EH1P(9-10)K-L-PLUS(21A)

Single-phase low-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
3-10 kW	40-60 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Backup transfer

On/off-grid transfer in under 10 ms, as listed by Solis.

Expandable capacity

Up to six inverter units in parallel in supported configurations.

Flexible backup

Supports a generator, prioritised smart loads and PV-only off-grid operation.

KEY SPECIFICATIONS

NOMINAL AC L/N/PE, 220/230 V	MPPT VOLTAGE WINDOW 90 - 435 V
MPPTS / PV STRINGS 2 / 2-4	MAX. BATTERY CHARGE / DISCHARGE 70-210 A
PEAK EFFICIENCY 96.2%	MAXIMUM DC INPUT 500 V

MODELS LISTED IN THE BROCHURE

S6-EH1P3K-L-PLUS	S6-EH1P3.6K-L-PLUS	S6-EH1P4.6K-L-PLUS
S6-EH1P5K-L-PLUS	S6-EH1P6K-L-PLUS	S6-EH1P8K-L-PLUS
S6-EH1P9K-L-PLUS(21A)	S6-EH1P10K-L-PLUS(21A)	

Solis Global V3.9 / brochure pp. 15-16

RESIDENTIAL STORAGE

S6-EH1P(9.9-18)K03-NV-YD-L

Single-phase low-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
9.9-18 kW	40-60 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Backup transfer
On/off-grid transfer in under 10 ms, as listed by Solis.

Expandable capacity
Up to six inverter units in parallel in supported configurations.

Higher PV capacity
Three MPPTs and six string inputs accommodate larger single-phase arrays.

KEY SPECIFICATIONS

NOMINAL AC L/N/PE, 220/230 V	MPPT VOLTAGE WINDOW 80 - 520 V
MPPTS / PV STRINGS 3 / 6	MAX. BATTERY CHARGE / DISCHARGE 208-320 A
PEAK EFFICIENCY 97.6%	MAXIMUM DC INPUT 550 V

MODELS LISTED IN THE BROCHURE

S6-EH1P9.9K03-NV-YD-L	S6-EH1P12K03-NV-YD-L	S6-EH1P14K03-NV-YD-L
S6-EH1P16K03-NV-YD-L	S6-EH1P18K03-NV-YD-L	

Solis Global V3.9 / brochure pp. 17-18

RESIDENTIAL STORAGE

S6-EH2P(5-8)K02-SV-YD-L

Split-phase low-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
5-8 kW	40-60 V	IP66 (TYPE 4X)



Image / Solis Global V3.9

HIGHLIGHTS

Backup transfer
On/off-grid transfer in under 10 ms, as listed by Solis.

Split-phase backup
Supports unbalanced split-phase output and short-duration overload.

Expandable capacity
Up to six inverter units in parallel in supported configurations.

KEY SPECIFICATIONS

NOMINAL AC 220 V single-phase, or 120/240 V or 127/220 V split-phase	MPPT VOLTAGE WINDOW 90 - 435 V
MPPTS / PV STRINGS 2 / 2-4	MAX. BATTERY CHARGE / DISCHARGE 112-190 A
PEAK EFFICIENCY 95.4%	MAXIMUM DC INPUT 500 V

MODELS LISTED IN THE BROCHURE

- S6-EH2P5K02-SV-YD-L
- S6-EH2P6K02-SV-YD-L
- S6-EH2P7.5K02-SV-YD-L
- S6-EH2P8K02-SV-YD-L

Solis lists this family for Brazil and Latin America.

Solis Global V3.9 / brochure pp. 19-20

RESIDENTIAL STORAGE

S6-EH2P(9.6-16)K03-SV-YD-L-US

Split-phase low-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
9.6-16 kW	40-60 V	TYPE 4X (IP66)



Image / Solis Global V3.9

HIGHLIGHTS

PV integration
DC and AC coupling support new PV systems and retrofits.

Motor starting
Solis lists up to three times rated backup output for one second.

Backup transfer
On/off-grid transfer in under 10 ms, as listed by Solis.

KEY SPECIFICATIONS

NOMINAL AC 220 V or 240 V (L1-L2)	MPPT VOLTAGE WINDOW 100-450 V
MPPTS / PV STRINGS 3 / 6	MAX. BATTERY CHARGE / DISCHARGE 200-290 A
PEAK EFFICIENCY 96.02%	MAXIMUM DC INPUT 550 V

MODELS LISTED IN THE BROCHURE

S6-EH2P9.6K03-SV-YD-L-US	S6-EH2P10K03-SV-YD-L-US	S6-EH2P11.4K03-SV-YD-L-US
S6-EH2P12K03-SV-YD-L-US	S6-EH2P14K03-SV-YD-L-US	S6-EH2P16K03-SV-YD-L-US

Solis lists this family for the Americas.

Solis Global V3.9 / brochure pp. 21-22

RESIDENTIAL STORAGE

S6-EH2P(10-18)K03-SV-YD-L

Split-phase low-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
10-18 kW	40-60 V	TYPE 4X



Image / Solis Global V3.9

HIGHLIGHTS

PV integration

DC and AC coupling support new PV systems and retrofits.

Motor starting

Solis lists up to twice rated backup output for ten seconds.

Backup transfer

On/off-grid transfer in under 10 ms, as listed by Solis.

KEY SPECIFICATIONS

NOMINAL AC 220 V or 240 V (L1-L2)	MPPT VOLTAGE WINDOW 100-450 V
MPPTS / PV STRINGS 3 / 6	MAX. BATTERY CHARGE / DISCHARGE 208-320 A
PEAK EFFICIENCY 96.02%	MAXIMUM DC INPUT 550 V

MODELS LISTED IN THE BROCHURE

S6-EH2P10K03-SV-YD-L	S6-EH2P12K03-SV-YD-L	S6-EH2P14K03-SV-YD-L
S6-EH2P16K03-SV-YD-L	S6-EH2P18K03-SV-YD-L	

Solis lists this family for Latin America.

Solis Global V3.9 / brochure pp. 23-24

RESIDENTIAL STORAGE

S6-EH3P(5-18)K02-NV-YD-L

Three-phase low-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
5-18 kW	40-60 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

PV integration
DC and AC coupling support new PV systems and retrofits.

Backup transfer
On/off-grid transfer in under 10 ms, as listed by Solis.

Three-phase loads
Supports unbalanced output, up to 50% of inverter rating per phase.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 220/380 V · 3/N/PE, 230/400 V	MPPT VOLTAGE WINDOW 200 - 850 V
MPPTS / PV STRINGS 2 / 2-4	MAX. BATTERY CHARGE / DISCHARGE 125-320 A
PEAK EFFICIENCY 97.5%	MAXIMUM DC INPUT 1000 V

MODELS LISTED IN THE BROCHURE

S6-EH3P5K02-NV-YD-L	S6-EH3P6K02-NV-YD-L	S6-EH3P8K02-NV-YD-L
S6-EH3P10K02-NV-YD-L	S6-EH3P12K02-NV-YD-L	S6-EH3P15K02-NV-YD-L
S6-EH3P18K02-NV-YD-L		

Solis Global V3.9 / brochure pp. 25-26

RESIDENTIAL STORAGE

S6-EH3P(7-10)K02-LV-YD-L

Three-phase low-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
7-10 kW	40-60 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

PV integration
DC and AC coupling support new PV systems and retrofits.

Backup transfer
On/off-grid transfer in under 10 ms, as listed by Solis.

Lower AC voltage
The datasheet specifies 127/220 V and 133/230 V three-phase options.

KEY SPECIFICATIONS

NOMINAL AC	3/N/PE, 127/220 V; 3/N/PE, 133/230 V
MPPT VOLTAGE WINDOW	200 - 850 V
MPPTS / PV STRINGS	2 / 3-4
MAX. BATTERY CHARGE / DISCHARGE	156-235 A
PEAK EFFICIENCY	96.2%
MAXIMUM DC INPUT	1000 V

MODELS LISTED IN THE BROCHURE

- S6-EH3P7K02-LV-YD-L
- S6-EH3P8K02-LV-YD-L
- S6-EH3P9K02-LV-YD-L
- S6-EH3P10K02-LV-YD-L

Solis lists this family for Brazil and the Philippines.

Solis Global V3.9 / brochure pp. 27-28

RESIDENTIAL STORAGE

S6-EH3P(3-10)K-H S6-EH3P12K-H-EU(21A)

Three-phase high-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
3-12 kW	120-600 or 120-700 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Backup transfer

On/off-grid transfer in under 10 ms, as listed by Solis.

Expandable capacity

Up to six inverter units in parallel in supported configurations.

PV layouts

Two to four MPPTs depending on variant, for arrays with different orientations.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 220/380 V, 230/400 V	MPPT VOLTAGE WINDOW 200 - 850 V
MPPTS / PV STRINGS 2-4 / 2-4	MAX. BATTERY CHARGE / DISCHARGE 25-50 A
PEAK EFFICIENCY Up to 97.9%	MAXIMUM DC INPUT 1000 V

MODELS LISTED IN THE BROCHURE

S6-EH3P5K2-H	S6-EH3P6K2-H	S6-EH3P8K2-H
S6-EH3P10K2-H	S6-EH3P3K-H-EU	S6-EH3P4K-H-EU
S6-EH3P5K-H-EU	S6-EH3P6K-H-EU	S6-EH3P8K-H-EU
S6-EH3P10K-H-EU	S6-EH3P12K-H-EU(21A)	

Solis Global V3.9 / brochure pp. 29-30

RESIDENTIAL STORAGE

S6-EH3P(12-20)K-H

Three-phase high-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
12-20 kW	120-800 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Backup transfer
On/off-grid transfer in under 10 ms, as listed by Solis.

Unbalanced output
Solis lists up to 40% of inverter rating per phase.

Energy management
Time-of-use scheduling and control for SG-ready heat pumps.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 220/380 V, 230/400 V	MPPT VOLTAGE WINDOW 200 - 850 V
MPPTS / PV STRINGS 4 / 4	MAX. BATTERY CHARGE / DISCHARGE 50 A
PEAK EFFICIENCY 97.7%	MAXIMUM DC INPUT 1000 V

MODELS LISTED IN THE BROCHURE

S6-EH3P12K-H	S6-EH3P15K-H	S6-EH3P20K-H

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RESIDENTIAL STORAGE

S5-EA1P3K-L

Single-phase low-voltage AC-coupled battery inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
3 kW	40-60 V	IP65



Image / Solis Global V3.9

HIGHLIGHTS

Storage retrofit
Adds a battery inverter to an existing grid-tied solar system.

Battery choices
Supports compatible lithium-ion and lead-acid batteries.

Cooling
Natural cooling without an external fan.

KEY SPECIFICATIONS

NOMINAL AC 220/230 V	MAX. BATTERY CHARGE / DISCHARGE 60 A
BATTERY CHEMISTRY Li-ion / Lead-acid	BATTERY COMMUNICATION CAN
WEIGHT 12.1 kg	

MODELS LISTED IN THE BROCHURE

S5-EA1P3K-L

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RESIDENTIAL STORAGE

S6-EA1P(3.6-6)K-L

Single-phase low-voltage AC-coupled battery inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
3.6-6 kW	40-60 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Time-of-use control
Schedules charge and discharge around tariffs.

Peak shaving
Can dispatch battery energy to help reduce demand peaks.

Remote operation
Supports remote battery monitoring and updates.

KEY SPECIFICATIONS

NOMINAL AC 220/230 V	MAX. BATTERY CHARGE / DISCHARGE 75-125 A
BATTERY CHEMISTRY Li-ion	BATTERY COMMUNICATION CAN
WEIGHT 19.9 kg	

MODELS LISTED IN THE BROCHURE

S6-EA1P3.6K-L	S6-EA1P4.6K-L	S6-EA1P5K-L
S6-EA1P6K-L		

Solis Global V3.9 / brochure pp. 35-36

RESIDENTIAL STORAGE

S6-EA3P(5-10)KAA-NV-ND-H

Three-phase high-voltage AC-coupled battery inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
5-10 kW	120-600 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Tariff scheduling
Six charge and discharge time-of-use settings are listed.

Peak shaving
Supports demand peak control for retrofit systems.

Device integration
Two independent RS485 ports support communication with other equipment.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 380/400 V	MAX. BATTERY CHARGE / DISCHARGE Up to 50 A
BATTERY CHEMISTRY Li-ion	BATTERY COMMUNICATION CAN / RS485
WEIGHT 24.3 kg · 26.9 kg	

MODELS LISTED IN THE BROCHURE

- S6-EA3P5KAA-NV-ND-H
- S6-EA3P6KAA-NV-ND-H
- S6-EA3P8KAA-NV-ND-H
- S6-EA3P10KAA-NV-ND-H

Solis Global V3.9 / brochure pp. 37-38

RESIDENTIAL STORAGE

S6-EA3P(5-10)KAA-NV-YD-H-PRO

Three-phase high-voltage AC-coupled battery inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
5-10 kW	120-700 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Retrofit flexibility
Supports AC coupling with existing Solis and third-party grid-tied inverters.

Smart loads
Supports compatible SG-ready heat pumps and unbalanced three-phase output.

Local interface
4.3-inch touch display for control and commissioning.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 380/400 V	MAX. BATTERY CHARGE / DISCHARGE Up to 50 A
BATTERY CHEMISTRY Li-ion	BATTERY COMMUNICATION CAN / RS485
WEIGHT 20 kg	

MODELS LISTED IN THE BROCHURE

- S6-EA3P5KAA-NV-YD-H-PRO
- S6-EA3P6KAA-NV-YD-H-PRO
- S6-EA3P8KAA-NV-YD-H-PRO
- S6-EA3P10KAA-NV-YD-H-PRO

Solis Global V3.9 / brochure pp. 39-40

PRODUCT LINE 02 OF 08

Off-grid energy storage

Single-phase 48 V-class inverters for stand-alone solar and battery systems.



FEATURED IN THIS LINE



S6-EO1P(4-6)K-48



S6-EO1P(4-5)K-48-EU

2 PROFILES

PAGES 21-22

Solis Global V3.9 / brochure pp. 41-42

OFF-GRID STORAGE

S6-EO1P(4-6)K-48

Single-phase low-voltage off-grid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
4-6 kW	40-60 V	IP21



Image / Solis Global V3.9

HIGHLIGHTS

Stand-alone operation

Supports generator backup and prioritisation of two backup loads.

Starting loads

Solis lists 200% overload for up to 10 seconds.

System expansion

Parallel operation up to six units, with AC coupling support.

KEY SPECIFICATIONS

NOMINAL AC 230 V ± 1% (inverter output)	MPPT VOLTAGE WINDOW 90 - 430 V
MPPTS / PV STRINGS 1 / 2	MAX. BATTERY CHARGE / DISCHARGE 100-120 A
PEAK EFFICIENCY 96.6%	MAXIMUM DC INPUT 500 V

MODELS LISTED IN THE BROCHURE

S6-EO1P4K-48	S6-EO1P5K-48	S6-EO1P6K-48

Solis lists this version for regions outside Europe and Brazil.

Solis Global V3.9 / brochure pp. 43-44

OFF-GRID STORAGE

S6-EO1P(4-5)K-48-EU

Single-phase low-voltage off-grid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
4-5 kW	40-60 V	IP21



Image / Solis Global V3.9

HIGHLIGHTS

Stand-alone operation

Supports generator backup and prioritisation of two backup loads.

Starting loads

Solis lists 200% overload for up to 10 seconds.

System expansion

Parallel operation up to six units, with AC coupling support.

KEY SPECIFICATIONS

NOMINAL AC 230 V ± 1% (inverter output)	MPPT VOLTAGE WINDOW 90 - 430 V
MPPTS / PV STRINGS 1 / 2	MAX. BATTERY CHARGE / DISCHARGE 100 A
PEAK EFFICIENCY 96.6%	MAXIMUM DC INPUT 500 V

MODELS LISTED IN THE BROCHURE

S6-EO1P4K-48-EU	S6-EO1P5K-48-EU

Solis lists this version for Europe.

Solis Global V3.9 / brochure pp. 45-46

PRODUCT LINE 03 OF 08

Commercial energy storage

Three-phase high-voltage hybrid inverters for larger loads, backup and flexible PV integration.



FEATURED IN THIS LINE



S6-EH3P(29.9-60)K-H(21A)



S6-EH3P(75-125)K10-NV-YD-H



S6-EH3P(60-75)K10-LV-YD-H

4 PROFILES

PAGES 24-27

Solis Global V3.9 / brochure pp. 47-48

COMMERCIAL STORAGE

S6-EH3P(29.9-60)K-H(21A)

Three-phase high-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
29.9-60 kW	150-800 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Two battery inputs

Independent battery ports give greater flexibility when sizing storage.

Backup and PV integration

Supports DC and AC coupling and transition to backup in under 10 ms.

Load management

Backup reserve, prioritised loads and grid export management are supported.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 220/380 V, 230/400 V	MPPT VOLTAGE WINDOW 150 - 850 V
MPPTS / PV STRINGS 3-4 / 6-8	MAX. BATTERY CHARGE / DISCHARGE 80 A × 2 · 84 A × 2
PEAK EFFICIENCY 97.7%	MAXIMUM DC INPUT 1000 V

MODELS LISTED IN THE BROCHURE

S6-EH3P29.9K-H(21A)	S6-EH3P30K-H(21A)	S6-EH3P40K-H(21A)
S6-EH3P49K-H(21A)	S6-EH3P50K-H(21A)	S6-EH3P60K-H(21A)

Solis Global V3.9 / brochure pp. 49-50

COMMERCIAL STORAGE

S6-EH3P(30-35)K-H-LV(21A)

Three-phase high-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
30-35 kW	150-800 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Two battery inputs

Independent battery ports give greater flexibility when sizing storage.

Backup and PV integration

Supports DC and AC coupling and transition to backup in under 10 ms.

Load management

Backup reserve, prioritised loads and grid export management are supported.

KEY SPECIFICATIONS

NOMINAL AC 3/(N)/PE, 127/220 V; 3/(N)/PE, 133/230 V	MPPT VOLTAGE WINDOW 150 - 850 V
MPPTS / PV STRINGS 3 / 6	MAX. BATTERY CHARGE / DISCHARGE 80 A × 2
PEAK EFFICIENCY 96.3%	MAXIMUM DC INPUT 1000 V

MODELS LISTED IN THE BROCHURE

S6-EH3P30K-H-LV(21A)	S6-EH3P35K-H-LV(21A)

Solis Global V3.9 / brochure pp. 51-52

COMMERCIAL STORAGE

S6-EH3P(75-125)K10-NV-YD-H

Three-phase high-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
75-125 kW	300-950 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Two battery inputs
Independent battery ports give greater flexibility when sizing storage.

Utility bypass
The grid can supply backup loads directly through the bypass function.

Parallel systems
Solis lists up to 1.25 MW, with its STS cabinet recommended above six units.

KEY SPECIFICATIONS

NOMINAL AC	3/N/PE, 220/380 V; 3/N/PE, 230/400 V
MPPT VOLTAGE WINDOW	150 - 950 V
MPPTS / PV STRINGS	10 / 20
MAX. BATTERY CHARGE / DISCHARGE	100 A × 2 / 100 A × 2
PEAK EFFICIENCY	97.5%
MAXIMUM DC INPUT	1000 V

MODELS LISTED IN THE BROCHURE

- S6-EH3P75K10-NV-YD-H
- S6-EH3P80K10-NV-YD-H
- S6-EH3P99.9K10-NV-YD-H
- S6-EH3P100K10-NV-YD-H
- S6-EH3P125K10-NV-YD-H

Solis Global V3.9 / brochure pp. 53-54

COMMERCIAL STORAGE

S6-EH3P(60-75)K10-LV-YD-H

Three-phase high-voltage hybrid inverter

RATED AC OUTPUT	BATTERY VOLTAGE	ENCLOSURE
60-75 kW	300-950 V	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Two battery inputs

Independent battery ports give greater flexibility when sizing storage.

Utility bypass

The grid can supply backup loads directly through the bypass function.

Lower AC voltage

The datasheet lists 127/220 V and 133/230 V three-phase options.

KEY SPECIFICATIONS

NOMINAL AC 3/(N)/PE, 127/220 V; 3/(N)/PE, 133/230 V	MPPT VOLTAGE WINDOW 150 - 950 V
MPPTS / PV STRINGS 10 / 20	MAX. BATTERY CHARGE / DISCHARGE 100 A × 2 / 100 A × 2
PEAK EFFICIENCY 96.0%	MAXIMUM DC INPUT 1000 V

MODELS LISTED IN THE BROCHURE

S6-EH3P60K10-LV-YD-H	S6-EH3P75K10-LV-YD-H

Solis Global V3.9 / brochure pp. 55-56

PRODUCT LINE 04 OF 08

Residential solar PV

Grid-tied string inverters for balconies, rooftops and larger three-phase homes.



FEATURED IN THIS LINE



S6-GR1P0.8K-UM



S6-GR1P(2.5-6)K



S5-GR3P(3-20)K

9 PROFILES

PAGES 29-38

Solis Global V3.9 / brochure pp. 57-58

RESIDENTIAL PV

S6-GR1P0.8K-UM

Single-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
0.8 kW	1 / 1	IP65



Image / Solis Global V3.9

HIGHLIGHTS

Balcony PV
Compact unit designed for small systems such as balcony arrays.

Mounting
Lightweight, rack-mounted design.

Connectivity
Integrated Wi-Fi for connection to monitoring.

KEY SPECIFICATIONS

NOMINAL AC 1/N/PE, 230 V	MPPT VOLTAGE WINDOW 30 - 500 V
PEAK EFFICIENCY 96.6%	MAXIMUM DC INPUT 500 V
START-UP VOLTAGE 40 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GR1P0.8K-UM

Solis specifies a DC switch and a qualified installer above 120 V input.

Solis Global V3.9 / brochure pp. 59-60

RESIDENTIAL PV

S6-GR1P(0.7-3.6)K-M

Single-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
0.7-3.6 kW	1 / 1-2	IP66



Image / Solis Global V3.9

HIGHLIGHTS

PV input range
Wide operating voltage range and low start-up voltage.

Export control
Supports management of power exported to the utility grid.

Arc-fault protection
Built-in AFCI monitors for DC arc faults.

KEY SPECIFICATIONS

NOMINAL AC 1/N/PE, 220/230 V	MPPT VOLTAGE WINDOW 50 - 500 V · 80 - 500 V
PEAK EFFICIENCY Up to 97.3%	MAXIMUM DC INPUT 550 V
START-UP VOLTAGE 60 V · 90 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GR1P0.7K-M	S6-GR1P1K-M	S6-GR1P1.5K-M
S6-GR1P2K-M	S6-GR1P2.5K-M	S6-GR1P3K-M
S6-GR1P3.6K-M		

Solis Global V3.9 / brochure pp. 61-62

RESIDENTIAL PV

S6-GR1P(2.5-6)K

Single-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
2.5-6 kW	2 / 2	IP66



Image / Solis Global V3.9

HIGHLIGHTS

PV input range

Wide operating voltage range and low start-up voltage.

Export control

Supports management of power exported to the utility grid.

System visibility

Tracks load consumption around the clock with compatible monitoring.

KEY SPECIFICATIONS

NOMINAL AC 1/N/PE, 220/230 V	MPPT VOLTAGE WINDOW 50 - 450 V · 90 - 520 V
PEAK EFFICIENCY Up to 97.7%	MAXIMUM DC INPUT 550 V · 600 V
START-UP VOLTAGE 60 V · 120 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GR1P2.5K	S6-GR1P3K	S6-GR1P3.6K
S6-GR1P4K	S6-GR1P4.6K	S6-GR1P5K
S6-GR1P6K		

Solis Global V3.9 / brochure pp. 63-64

RESIDENTIAL PV

S6-GR1P(2.5-6)K-S

Single-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
2.5-6 kW	2 / 2	IP66



Image / Solis Global V3.9

HIGHLIGHTS

PV strings
The series supports up to 16 A string current.

Export control
Supports management of power exported to the utility grid.

Arc-fault protection
Built-in AFCI monitors for DC arc faults.

KEY SPECIFICATIONS

NOMINAL AC 1/N/PE, 220/230 V	MPPT VOLTAGE WINDOW 50 - 550 V · 90 - 550 V
PEAK EFFICIENCY Up to 97.7%	MAXIMUM DC INPUT 550 V
START-UP VOLTAGE 60 V · 100 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GR1P2.5K-S	S6-GR1P3K-S	S6-GR1P3.6K-S
S6-GR1P4K-S	S6-GR1P4.6K-S	S6-GR1P5K-S
S6-GR1P6K-S		

Solis Global V3.9 / brochure pp. 65-66

RESIDENTIAL PV

S6-GR1P(7-8)K02-NV-YD-HC

Single-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
7-8 kW	2 / 3	IP66



Image / Solis Global V3.9

HIGHLIGHTS

High-current PV inputs

The datasheet lists 18 A and 32 A maximum MPPT input currents.

Export control

Supports management of power exported to the utility grid.

System visibility

Tracks load consumption around the clock with compatible monitoring.

KEY SPECIFICATIONS

NOMINAL AC 1/N/PE, 220/230 V	MPPT VOLTAGE WINDOW 90 - 500 V
PEAK EFFICIENCY 97.7%	MAXIMUM DC INPUT 550 V
START-UP VOLTAGE 90 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GR1P7K02-NV-YD-HC	S6-GR1P8K02-NV-YD-HC

Solis Global V3.9 / brochure pp. 67-68

RESIDENTIAL PV

S5-GR1P(7-10)K

Single-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
7-10 kW	3 / 3	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Multi-facing roofs

Three MPPTs track arrays on different roof orientations.

PV input range

Wide operating voltage range and low start-up voltage.

Arc-fault protection

Built-in AFCI monitors for DC arc faults.

KEY SPECIFICATIONS

NOMINAL AC 1/N/PE, 220/230 V	MPPT VOLTAGE WINDOW 100 - 500 V
PEAK EFFICIENCY 98.0%	MAXIMUM DC INPUT 600 V
START-UP VOLTAGE 120 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S5-GR1P7K	S5-GR1P8K	S5-GR1P9K
S5-GR1P10K		

Solis Global V3.9 / brochure pp. 69-70

RESIDENTIAL PV

S6-GR1P(8-10)K03-NV-ND

Single-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
8-10 kW	3 / 3	IP66



Image / Solis Global V3.9

HIGHLIGHTS

PV inputs
Three MPPTs with up to 20 A per string.

Meter integration
Integrated CT and meter interface for export control.

Arc-fault protection
Built-in AFCI monitors for DC arc faults.

KEY SPECIFICATIONS

NOMINAL AC 1/N/PE, 220/230 V	MPPT VOLTAGE WINDOW 50 - 500 V
PEAK EFFICIENCY 98.0%	MAXIMUM DC INPUT 550 V
START-UP VOLTAGE 60 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GR1P8K03-NV-ND	S6-GR1P9K03-NV-ND	S6-GR1P10K03-NV-ND

Solis Global V3.9 / brochure pp. 71-72

RESIDENTIAL PV

S5-GR3P(3-20)K

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
3-20 kW	2 / 2-4	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Array sizing
Solis lists a DC/AC ratio above 150%.

Export control
Supports management of power exported to the utility grid.

Arc-fault protection
Built-in AFCI monitors for DC arc faults.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 220/380 V, 230/400 V	MPPT VOLTAGE WINDOW 160 - 1000 V
PEAK EFFICIENCY Up to 98.7%	MAXIMUM DC INPUT 1100 V
START-UP VOLTAGE 180 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S5-GR3P3K	S5-GR3P4K	S5-GR3P5K
S5-GR3P6K	S5-GR3P8K	S5-GR3P9K
S5-GR3P10K	S5-GR3P12K	S5-GR3P13K
S5-GR3P15K	S5-GR3P17K	S5-GR3P20K

Solis Global V3.9 / brochure pp. 73-74

RESIDENTIAL PV

S5-GR3P(5-10)K-LV

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
5-10 kW	2 / 2-4	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Lower AC voltage

Grid options include 208 V, 220 V and 240 V three-phase.

Export control

Supports management of power exported to the utility grid.

Arc-fault protection

Built-in AFCI monitors for DC arc faults.

KEY SPECIFICATIONS

NOMINAL AC 3/(N)/PE, 208/220/240 V	MPPT VOLTAGE WINDOW 160 - 500 V
PEAK EFFICIENCY 98.0%	MAXIMUM DC INPUT 1100 V
START-UP VOLTAGE 180 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S5-GR3P5K-LV	S5-GR3P6K-LV	S5-GR3P10K-LV

Solis Global V3.9 / brochure pp. 75-76

SOLIS PROJECT REFERENCES

Residential installations

Solis projects in Finland and the United Kingdom



FINLAND

6.7 kW

INVERTER SERIES

S5-GR3P(3-20)K



UNITED KINGDOM

2.8 kW

INVERTER SERIES

S6-GR1P(2.5-6)K

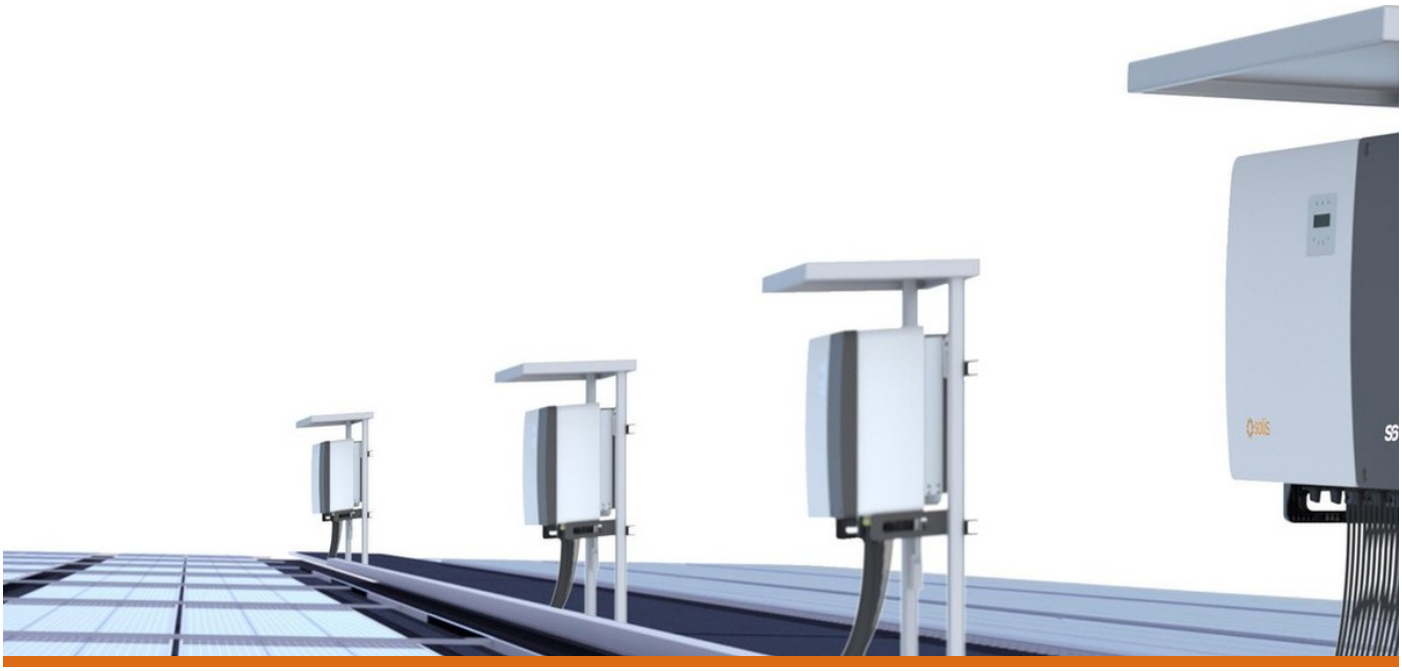
The brochure shows both three-phase and single-phase string inverters in residential installations.

Solis Global V3.9 / brochure pp. 77-78

PRODUCT LINE 05 OF 08

Commercial & industrial solar PV

Three-phase string inverters for commercial rooftops and industrial PV installations.



FEATURED IN THIS LINE



S6-GC3P(25-40)K03-ND



S6-GC(80-125)K



S6-GC3P(150-200)K07-ND

12 PROFILES

PAGES 40-52

Solis Global V3.9 / brochure pp. 79-80

COMMERCIAL & INDUSTRIAL PV

S5-GC(25-50)K

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
25-50 kW	3-4 / 6-8	IP66



Image / Solis Global V3.9

HIGHLIGHTS

String diagnostics
String monitoring and I-V curve scanning help identify PV faults.

Arc-fault protection
Built-in AFCI monitors for DC arc faults.

Optional PID recovery
Nighttime potential-induced degradation recovery is optional.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 220/380 V, 230/400 V · 3/PE, 480 V	MPPT VOLTAGE WINDOW 200 - 1000 V
PEAK EFFICIENCY Up to 98.8%	MAXIMUM DC INPUT 1100 V
START-UP VOLTAGE 180 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S5-GC25K	S5-GC30K	S5-GC33K
S5-GC36K	S5-GC40K	S5-GC40K-HV
S5-GC50K-HV		

Solis Global V3.9 / brochure pp. 81-82

COMMERCIAL & INDUSTRIAL PV

S5-GC(15-23)K-LV

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
15-23 kW	3 / 6	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Lower AC voltage
The source specifies 220 V three-phase.

String diagnostics
String monitoring and I-V curve scanning help identify PV faults.

Arc-fault protection
Built-in AFCI monitors for DC arc faults.

KEY SPECIFICATIONS

NOMINAL AC 3/PE, 220 V	MPPT VOLTAGE WINDOW 200 - 1000 V
PEAK EFFICIENCY 97.8%	MAXIMUM DC INPUT 1100 V
START-UP VOLTAGE 180 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S5-GC15K-LV	S5-GC20K-LV	S5-GC23K-LV

Solis Global V3.9 / brochure pp. 83-84

COMMERCIAL & INDUSTRIAL PV

S6-GC3P(25-40)K03-ND

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
25-40 kW	3 / 6	IP66



Image / Solis Global V3.9

HIGHLIGHTS

PV inputs

Up to 21 A per string and a DC/AC ratio above 150% are listed.

String diagnostics

String monitoring and I-V curve scanning help identify PV faults.

Device integration

Two independent RS485 ports support communication with other equipment.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 220/380 V, 230/400 V · 3/PE, 480 V	MPPT VOLTAGE WINDOW 180 - 1000 V
PEAK EFFICIENCY Up to 98.6%	MAXIMUM DC INPUT 1100 V
START-UP VOLTAGE 180 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GC3P25K03-NV-ND	S6-GC3P30K03-NV-ND	S6-GC3P33K03-NV-ND
S6-GC3P36K03-NV-ND	S6-GC3P40K03-HV-ND	

Solis Global V3.9 / brochure pp. 85-86

COMMERCIAL & INDUSTRIAL PV

S6-GC3P(15-20)K03-LV-ND

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
15-20 kW	3 / 6	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Lower AC voltage
220 V or 230 V three-phase versions.

String diagnostics
String monitoring and I-V curve scanning help identify PV faults.

Device integration
Two independent RS485 ports support communication with other equipment.

KEY SPECIFICATIONS

NOMINAL AC 3/PE, 220/230 V	MPPT VOLTAGE WINDOW 180 - 1000 V
PEAK EFFICIENCY 97.8%	MAXIMUM DC INPUT 1100 V
START-UP VOLTAGE 180 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GC3P15K03-LV-ND	S6-GC3P20K03-LV-ND

Solis Global V3.9 / brochure pp. 87-88

COMMERCIAL & INDUSTRIAL PV

S5-GC(50-60)K

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
50-60 kW	5-6 / 10-12	IP66



Image / Solis Global V3.9

HIGHLIGHTS

String diagnostics
String monitoring and I-V curve scanning help identify PV faults.

Reactive power
Supports nighttime reactive power operation.

Environmental rating
Solis lists IP66 and C5 corrosion protection.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 220/380 V, 230/400 V	MPPT VOLTAGE WINDOW 180 - 1000 V
PEAK EFFICIENCY 98.7%	MAXIMUM DC INPUT 1100 V
START-UP VOLTAGE 195 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S5-GC50K	S5-GC60K

Solis Global V3.9 / brochure pp. 89-90

COMMERCIAL & INDUSTRIAL PV

S5-GC(25-36)K-LV

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
25-36 kW	4 / 8	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Lower AC voltage
Nominal 220 V three-phase output.

String diagnostics
String monitoring and I-V curve scanning help identify PV faults.

Reactive power
Supports nighttime reactive power operation.

KEY SPECIFICATIONS

NOMINAL AC 3/(N)/PE, 220 V	MPPT VOLTAGE WINDOW 180 - 1000 V
PEAK EFFICIENCY 98.4%	MAXIMUM DC INPUT 1100 V
START-UP VOLTAGE 195 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

S5-GC25K-LV	S5-GC30K-LV	S5-GC36K-LV

Solis Global V3.9 / brochure pp. 91-92

COMMERCIAL & INDUSTRIAL PV

S6-GC3P(40-60)K-ND

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
40-60 kW	4-5 / 8-10	IP66



Image / Solis Global V3.9

HIGHLIGHTS

PV inputs

Four or five MPPTs and up to 21 A per string, depending on variant.

String diagnostics

String monitoring and I-V curve scanning help identify PV faults.

Device integration

Two independent RS485 ports support communication with other equipment.

KEY SPECIFICATIONS

NOMINAL AC	MPPT VOLTAGE WINDOW
3/N/PE, 220/380 V, 230/400 V · 3/PE, 480 V	180 - 1000 V
PEAK EFFICIENCY	**MAXIMUM DC INPUT**
Up to 98.7%	1100 V
START-UP VOLTAGE	**OPERATING TEMPERATURE**
180 V	-25 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GC3P40K04-NV-ND	S6-GC3P50K04-NV-ND	S6-GC3P60K05-NV-ND
S6-GC3P50K04-HV-ND	S6-GC3P60K05-HV-ND	

Solis Global V3.9 / brochure pp. 93-94

COMMERCIAL & INDUSTRIAL PV

S6-GC3P(23-36)K-LV-ND

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
23-36 kW	3-4 / 6-8	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Lower AC voltage

The series is specified for 220 V or 230 V three-phase.

String diagnostics

String monitoring and I-V curve scanning help identify PV faults.

Device integration

Two independent RS485 ports support communication with other equipment.

KEY SPECIFICATIONS

NOMINAL AC 3/PE, 220/230 V	MPPT VOLTAGE WINDOW 180 - 1000 V
PEAK EFFICIENCY 97.8%	MAXIMUM DC INPUT 1100 V
START-UP VOLTAGE 180 V	OPERATING TEMPERATURE -25 - +60 °C

MODELS LISTED IN THE BROCHURE

- S6-GC3P23K03-LV-ND
- S6-GC3P25K04-LV-ND
- S6-GC3P30K04-LV-ND
- S6-GC3P36K04-LV-ND

Solis Global V3.9 / brochure pp. 95-96

COMMERCIAL & INDUSTRIAL PV

S6-GC(80-125)K

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
80-125 kW	8-10 / 16-20	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Plant integration
Supports genset scenarios and provides two independent RS485 ports.

Export management
Coordinates export control across up to ten inverter units.

DC protection
AFCI and PV grounding detection are integrated. Rapid shutdown coordination is optional.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 220/380 V, 230/400 V · 3/PE, 480 V	MPPT VOLTAGE WINDOW 160 - 1000 V
PEAK EFFICIENCY 98.7%	MAXIMUM DC INPUT 1100 V
START-UP VOLTAGE 180 V	OPERATING TEMPERATURE -30 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GC80K	S6-GC100K	S6-GC110K
S6-GC125K	S6-GC125K-HV	

Solis Global V3.9 / brochure pp. 97-98

COMMERCIAL & INDUSTRIAL PV

S6-GC(50-75)K-LV

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
50-75 kW	6-8 / 12-16	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Plant integration
Supports genset scenarios and provides two independent RS485 ports.

Export management
Coordinates export control across up to ten inverter units.

DC protection
AFCI and PV grounding detection are integrated. Rapid shutdown coordination is optional.

KEY SPECIFICATIONS

NOMINAL AC 3/(N)/PE, 220/230 V	MPPT VOLTAGE WINDOW 160 - 1000 V (Recommend 800V access)
PEAK EFFICIENCY 98.5%	MAXIMUM DC INPUT 1100 V
START-UP VOLTAGE 180 V	OPERATING TEMPERATURE -30 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GC50K-LV	S6-GC60K-LV	S6-GC75K-LV

Solis Global V3.9 / brochure pp. 99-100

COMMERCIAL & INDUSTRIAL PV

S6-GC3P(150-200)K07-ND

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
150-200 kW	7 / 21	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Plant integration

Supports genset scenarios and provides two independent RS485 ports.

Export management

Coordinates export control across up to ten inverter units.

DC protection

AFCI and PV grounding detection are integrated. Rapid shutdown coordination is optional.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 220/380 V, 230/400 V · 3/PE, 480 V	MPPT VOLTAGE WINDOW 160 - 1000 V
PEAK EFFICIENCY 98.8%	MAXIMUM DC INPUT 1100 V
START-UP VOLTAGE 180 V	OPERATING TEMPERATURE -30 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GC3P150K07-NV-ND	S6-GC3P200K07-HV-ND

The datasheet rates the 200 kW model at 35°C.

Solis Global V3.9 / brochure pp. 101-102

COMMERCIAL & INDUSTRIAL PV

S6-GC3P(80-100)K07-LV-ND

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
80-100 kW	7 / 21	IP66



Image / Solis Global V3.9

HIGHLIGHTS

Plant integration

Supports genset scenarios and provides two independent RS485 ports.

Export management

Coordinates export control across up to ten inverter units.

DC protection

AFCI and PV grounding detection are integrated. Rapid shutdown coordination is optional.

KEY SPECIFICATIONS

NOMINAL AC 3/N/PE, 220/230 V	MPPT VOLTAGE WINDOW 160 - 800 V
PEAK EFFICIENCY 98.8%	MAXIMUM DC INPUT 800 V
START-UP VOLTAGE 180 V	OPERATING TEMPERATURE -30 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GC3P80K07-LV-ND	S6-GC3P100K07-LV-ND

Solis Global V3.9 / brochure pp. 103-104

SOLIS PROJECT REFERENCES

Commercial PV in operation

Selected projects from the Solis brochure



UNITED KINGDOM

2 MW

INVERTER SERIES

Solis-(100-110)K-5G



INDIA

1.12 MW

INVERTER SERIES

S5-GC(80-110)K

These examples illustrate commercial installations using multiple Solis string inverters.

Solis Global V3.9 / brochure pp. 105-106

PRODUCT LINE 06 OF 08

Utility-scale solar PV

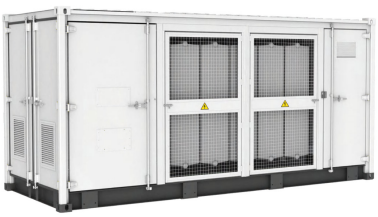
A 1500 V-class string inverter and medium-voltage stations for utility plants.



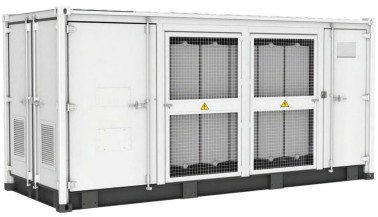
FEATURED IN THIS LINE



S6-GU3P350K06-EV-ND



Solis-6300-MV



Solis-9100-MV

3 PROFILES

PAGES 54-57

Solis Global V3.9 / brochure pp. 107-108

UTILITY-SCALE PV

S6-GU3P350K06-EV-ND

Three-phase grid-tied string inverter

RATED AC OUTPUT	MPPTS / PV STRINGS	ENCLOSURE
350 kW	6 / 30	IP66



Image / Solis Global V3.9

HIGHLIGHTS

High-voltage array

1500 V DC maximum input and 30 PV string connections.

Plant communications

Supports PLC over AC wiring and individual string monitoring.

Site protection

IP66 with C5-M corrosion protection as listed by Solis.

KEY SPECIFICATIONS

NOMINAL AC 3/PE, 800 V	MPPT VOLTAGE WINDOW 480 - 1500 V
PEAK EFFICIENCY 99.0%	MAXIMUM DC INPUT 1500 V
START-UP VOLTAGE 500 V	OPERATING TEMPERATURE -30 - +60 °C

MODELS LISTED IN THE BROCHURE

S6-GU3P350K06-EV-ND

Solis Global V3.9 / brochure pp. 109-110

UTILITY-SCALE PV

Solis-6300-MV

Medium-voltage transformer station

TRANSFORMER RATING	LV / MV	COOLING
6,300 kVA	0.8 / 10-35 kV	ONAN

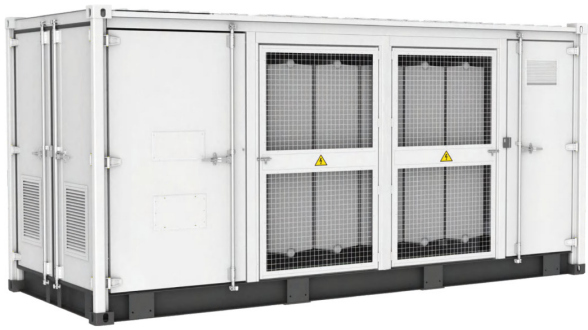


Image / Solis Global V3.9

HIGHLIGHTS

Container delivery
LV panel, oil-immersed transformer and ring main unit in a 20 ft high-cube format.

Subarray integration
Designed for the Solis 255 kW, 1500 V string inverter platform.

Service access
Front access and modular medium-voltage equipment.

KEY SPECIFICATIONS

RATING BASIS 6,300 kVA at 40 °C	INVERTER PLATFORM Solis 255K, 1500 V class
FREQUENCY 50 Hz / 60 Hz	TRANSFORMER Oil-immersed
CONTAINER DIMENSIONS 6,058 × 2,896 × 2,438 mm	APPROXIMATE WEIGHT 21 t

MODELS LISTED IN THE BROCHURE

Solis-6300-MV

Solis Global V3.9 / brochure pp. 111-112

UTILITY-SCALE PV

Solis-9100-MV

Medium-voltage transformer station

TRANSFORMER RATING	LV / MV	COOLING
9,100 kVA	0.8 / 10-35 kV	ONAN



Image / Solis Global V3.9

HIGHLIGHTS

Container delivery
LV panel, oil-immersed transformer and ring main unit in a 20 ft high-cube format.

Subarray integration
Designed for the Solis 350 kW, 1500 V string inverter platform.

Service access
Front access and modular medium-voltage equipment.

KEY SPECIFICATIONS

RATING BASIS 9,100 kVA at 40 °C	INVERTER PLATFORM Solis 350K, 1500 V class
FREQUENCY 50 Hz / 60 Hz	TRANSFORMER Oil-immersed
CONTAINER DIMENSIONS 6,058 × 2,896 × 2,438 mm	APPROXIMATE WEIGHT 23.5 t

MODELS LISTED IN THE BROCHURE

Solis-9100-MV

Solis Global V3.9 / brochure pp. 113-114

SOLIS PROJECT REFERENCES

Utility plants in operation

Selected projects from the Solis brochure



CHINA · TIDAL-FLAT PV

300 MW

INVERTER SERIES

Solis-(215-255)K-EHV-5G



CHINA

1 GW

INVERTER SERIES

Solis-(215-255)K-EHV-5G

The brochure shows utility-scale plants on tidal flats and at inland sites.

Solis Global V3.9 / brochure pp. 115-116

PRODUCT LINE 07 OF 08

Export power management

Export limitation and monitoring for single- and multi-inverter Solis installations.



FEATURED IN THIS LINE



Solis-EPM-5G

1 PROFILE

PAGE 59

Solis Global V3.9 / brochure pp. 117-118

EXPORT POWER MANAGEMENT

Solis-EPM-5G

Export power manager for Solis inverters

INVERTER CONTROL	COMMUNICATION	ENCLOSURE
Up to 20	RS485	IP65



Image / Solis Global V3.9

HIGHLIGHTS

Export limitation

Coordinates Solis inverters to manage export at the grid connection.

Plant visibility

Monitors generation and load consumption across compatible units.

Failsafe and updates

The brochure lists failsafe operation and remote upgrade.

KEY SPECIFICATIONS

EPM1 NOMINAL VOLTAGE **1/N/PE, 230 V**	EPM3-PRO NOMINAL VOLTAGE **230 V single-phase · 400 V or 480 V three-phase**
PROTOCOL **Modbus**	INPUT FREQUENCY **45-65 Hz**
OPTIONAL MONITORING **Wi-Fi / 4G / LAN stick**	POWER CONTROL ACCURACY **1% of rated power**

MODELS LISTED IN THE BROCHURE

Solis-EPM1-5G	**Solis-EPM3-5G-PRO**

Solis Global V3.9 / brochure pp. 119-120

PRODUCT LINE 08 OF 08

SolisCloud and monitoring

The SolisCloud platform, plug-in data sticks, commercial loggers and a PLC central controller.



FEATURED IN THIS LINE



S2-WL-ST



S3-Logger



S2-PLC-CCO

9 PROFILES

PAGES 61-69

Solis Global V3.9 / brochure pp. 121-122

SOLISCLOUD & MONITORING

SolisCloud

PV plant monitoring and remote operations

ACCESS	COVERAGE	TOOLS
Web + app	PV + storage	Alerts + trends

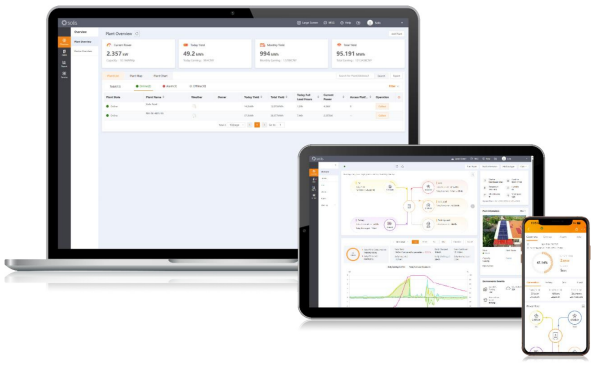


Image / Solis Global V3.9

HIGHLIGHTS

Plant overview

Track PV production, battery power flows and operating status.

Alarms and service

Review faults, performance trends and compatible remote diagnostics.

Remote control

Supported equipment can be managed from the web portal or app.

KEY SPECIFICATIONS

LIVE DATA **Inverter and battery power flows**	FLEET VIEW **Manage multiple plant installations**
OPERATIONS **Remote diagnostics and control on supported equipment**	REPORTING **Plant production and performance data**

Open the SolisCloud web portal

soliscloud.com

Solis Global V3.9 / brochure pp. 123-124

SOLISCLOUD & MONITORING

S2-WL-ST

Wi-Fi and Ethernet data logger

INVERTERS	NETWORK	ENCLOSURE
Up to 10	Wi-Fi + LAN	IP65



Image / Solis product gallery

HIGHLIGHTS

Network choices
Send inverter data to SolisCloud via Ethernet or Wi-Fi.

Quick setup
Plug-in installation with local Bluetooth commissioning.

Fault visibility
Status indicators and remote alarms aid troubleshooting.

KEY SPECIFICATIONS

SAMPLING 5 min	CONNECTORS 4-pin or USB
ETHERNET 10/100 Mbps	NEARBY SETUP Bluetooth LE 4.2
OPERATING TEMPERATURE -30 to +65 °C	SUPPLY 5 V DC

MODELS LISTED IN THE BROCHURE

S2-WL-ST (4 Pin)	S2-WL-ST (USB)

Solis Global V3.9 / brochure pp. 125-126

SOLISCLOUD & MONITORING

S5-WiFi-ST

Dual-band Wi-Fi data logger

INVERTERS	NETWORK	ENCLOSURE
Up to 10	2.4 / 5 GHz	IP65



Image / Solis product gallery

HIGHLIGHTS

Dual-band router support
Uses 2.4 GHz or 5 GHz Wi-Fi to reach SolisCloud.

Quick setup
Bluetooth commissioning and plug-in installation.

Monitoring
Remote status and alarms for connected inverters.

KEY SPECIFICATIONS

SAMPLING 5 min	CONNECTORS 4-pin or USB
WI-FI STANDARDS 802.11a/b/g/n	NEARBY SETUP Bluetooth LE 5.0
OPERATING TEMPERATURE -30 to +65 °C	SUPPLY 5 V DC

MODELS LISTED IN THE BROCHURE

S5-WiFi-ST-4Pin	S5-WiFi-ST-USB

Solis Global V3.9 / brochure pp. 127-128

SOLISCLOUD & MONITORING

S1-W4G-ST

Wi-Fi and cellular data logger

INVERTERS	NETWORK	ENCLOSURE
Up to 10	Wi-Fi + 4G	IP65



Image / Solis product gallery

HIGHLIGHTS

Flexible uplink
Send data by Wi-Fi or cellular service where coverage supports it.

Quick setup
Bluetooth commissioning with 4-pin and USB versions.

Remote monitoring
Reports performance and faults to SolisCloud.

KEY SPECIFICATIONS

SAMPLING 5 min	CONNECTORS 4-pin or USB
CELLULAR BANDS Regional 4G, 3G and 2G bands	NEARBY SETUP Bluetooth LE 4.2
OPERATING TEMPERATURE -30 to +65 °C	SUPPLY 5 V DC

MODELS LISTED IN THE BROCHURE

S1-W4G-ST (4 Pin)	S1-W4G-ST (USB)

Solis Global V3.9 / brochure pp. 129-130

SOLISCLOUD & MONITORING

S3-GPRS-ST

GPRS data logger

INVERTERS	NETWORK	ENCLOSURE
Up to 10	2G GPRS	IP65



Image / Solis Global V3.9

HIGHLIGHTS

Cellular uplink
GPRS connectivity for installations with compatible 2G coverage.

Inverter link
Connects to the inverter via RS485.

Service visibility
Fault alarms, status indicators and local reset.

KEY SPECIFICATIONS

SAMPLING 5 min	CONNECTOR 4-pin
GPRS BANDS 850 / 900 / 1800 / 1900 MHz	OPERATING TEMPERATURE -30 to +65 °C
TYPICAL CONSUMPTION 3 W	SUPPLY 5 V DC

MODELS LISTED IN THE BROCHURE

S3-GPRS-ST

Solis Global V3.9 / brochure pp. 131-132

SOLISCLOUD & MONITORING

S2-RF-LINK

RF data stick and Ethernet gateway

INVERTERS	RF BANDS	CONNECTION
Up to 10	868 / 915 MHz	RF + Ethernet



Image / Solis product gallery

HIGHLIGHTS

Two-part system
An RF stick at the inverter communicates with an Ethernet-connected gateway.

Cloud monitoring
The gateway forwards inverter data to SolisCloud.

Quick setup
Local Bluetooth configuration and status indicators.

KEY SPECIFICATIONS

SAMPLING 5 min	STICK OPTIONS 4-pin or USB
GATEWAY ETHERNET 10/100 Mbps	ENCLOSURE IP65 stick · IP21 gateway
NEARBY SETUP Bluetooth LE 4.2	OPERATING TEMPERATURE -25 to +65 °C

MODELS LISTED IN THE BROCHURE

S2-RF-ST	S2-RF-Gateway

Solis Global V3.9 / brochure pp. 133-134

SOLISCLOUD & MONITORING

S3-Logger

Commercial PV data logger and protocol converter

DEVICES	RS485 PORTS	ENCLOSURE
Up to 60	4	IP20



Image / Solis product gallery

HIGHLIGHTS

Plant data collection

Aggregates Solis inverter, meter and weather-station data.

Local and remote tools

Supports local monitoring, FTP data transfer and inverter upgrades.

Control option

The S3-Logger-EPM variant provides export limitation.

KEY SPECIFICATIONS

RS485 CAPACITY Up to 15 devices per port	ETHERNET 1 × 10/100 Mbps
OPERATING TEMPERATURE -40 to +80 °C	DC SUPPLY 9-36 V
EXPORT LIMITATION S3-Logger-EPM variant	MOUNTING Rail or desktop

MODELS LISTED IN THE BROCHURE

S3-Logger	S3-Logger-EPM

Solis Global V3.9 / brochure pp. 135-136

SOLISCLOUD & MONITORING

MB-S4-W4

Commercial PV monitoring and plant control

DEVICES	RS485 PORTS	ENCLOSURE
Up to 80	4	IP20



Image / Solis product gallery

HIGHLIGHTS

Plant control
Collects inverter and meter data and supports export limitation scenarios.

Commissioning
Built-in web interface, one-click address assignment and remote upgrades.

Resilience
Automatic switching between two power sources is supported.

KEY SPECIFICATIONS

RS485 CAPACITY **Up to 20 devices per port**	ETHERNET **2 × 10/100 Mbps**
INPUT / OUTPUT **4 DI, 2 DO, 4 AI**	OPERATING TEMPERATURE **-40 to +60 °C**
PROTOCOL SUPPORT **Modbus RTU/TCP · IEC 60870-5-104**	MOUNTING **Wall or desktop**

MODELS LISTED IN THE BROCHURE

MB-S4-W4

Solis Global V3.9 / brochure pp. 137-138

SOLISCLOUD & MONITORING

S2-PLC-CCO

Power line communication central controller

INVERTERS	PLC BAND	ENCLOSURE
Up to 80	2-12 MHz	IP20



Image / Solis Global V3.9

HIGHLIGHTS

PLC networking
Uses existing AC conductors to transmit data for compatible PV equipment.

Multiple terminals
Supports networking for up to 80 Solis inverters.

Local setup
Bluetooth debugging with status indicators.

KEY SPECIFICATIONS

INTERFACES 4-pin / RJ45 / RS485	LOCAL SETUP Bluetooth
ADAPTER INPUT 12 V DC, max. 2 A	AC PORT VOLTAGE 50-920 V, 50/60 Hz
OPERATING TEMPERATURE -40 to +70 °C	MOUNTING Hanging ear or rail

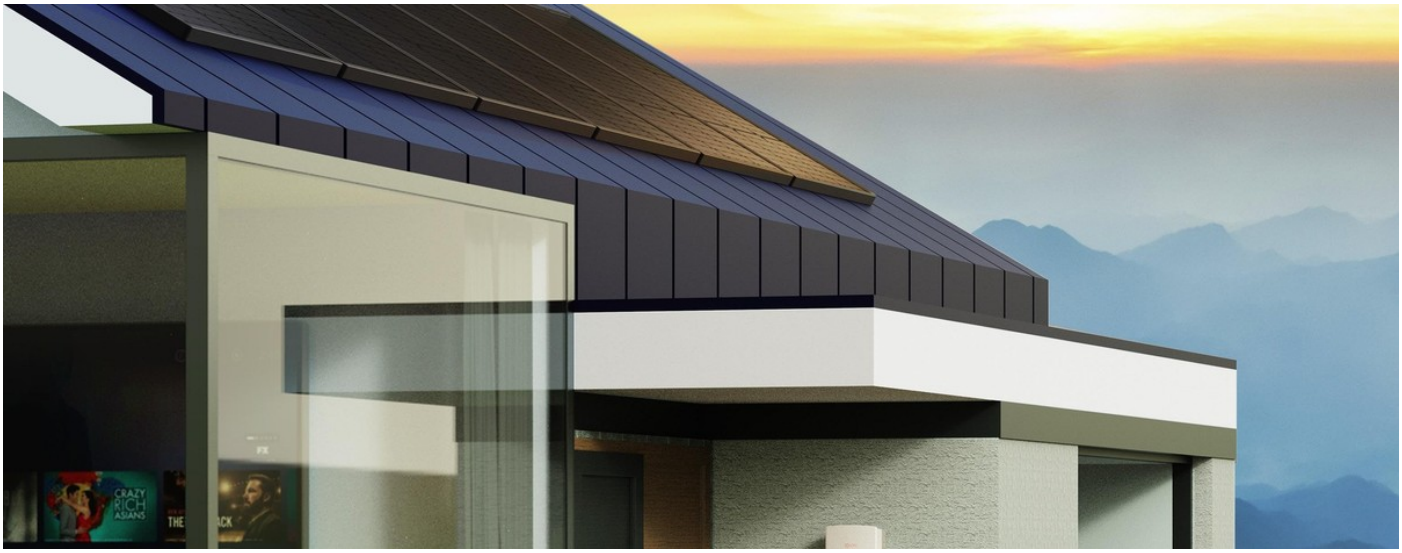
MODELS LISTED IN THE BROCHURE

S2-PLC-CCO

Solis Global V3.9 / brochure pp. 139-140

D-Corp Invest

Product selection and project enquiries for the Solis portfolio.



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SOURCE BROCHURE

Solis Global V3.9 by Ginlong Technologies. Product information is organised by family, with printed brochure page numbers shown on the relevant pages.