



Solis S6 Advanced Power Hybrid Inverter

S6-EH1P(3-8)K-L-PLUS

Speaker:

Ginlong Technologies Co., Ltd.

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02

Product Introduction



Solis S6 Advanced Power Hybrid Inverter

S6-EH1P(3-8)K-L-PLUS

3K/3.6K/5K/6K/8K



With 7' LCD



Without LCD

Product Advantages



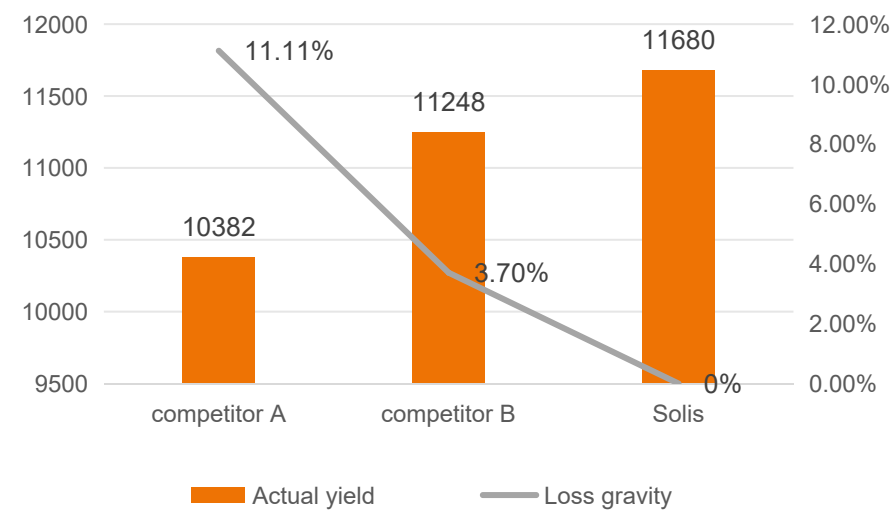
Advantage over other Brand

		Solis	Other Brand	Description of function advantages
Function	Max input current 16A	✓	✗	Maximum input current of the inverter is 16A, perfectly adapted to 182mm modules.
	Support 2 backup control	✓	✗	The backup and Gen ports allow simultaneous access to the load. Load switching can be controlled remotely. Non-critical loads can be remotely switched off in the event of a power outage to ensure long-term operation of critical loads.
	Inverter and generator carrying load together	✓	✗	
	Weak grid detection function	✓	✗	With excellent weak grid adaptability, the inverter will not cause load voltage instability such as flickering lights when connected to the grid.
	Battery reserve function	✓	✗	Battery reserve function in multiple scenarios with easy setting
	IP66 protection level	✓	✗	
	LCD+BT and Special Pad O&M Function	✓	✗	Multiple O&M interaction strategies, more friendly
	Remote monitoring of battery status	✓	✗	
	Battery healing	✓	✗	When this function is turned on, the PV energy is used to fully charge the battery once when the battery power is low enough to the forcecharge SOC. It can prolong the battery life
	6 customizable charge/discharge time settings	✓	✓	
	UPS switching time 4ms	✓	✓	
	10s of 200% surge power backup overload capability	✓	✓	
	Parallel and three phase grid forming	✓	✓	
	AC Coupling function	✓	✓	Easily upgrade existing grid-connected systems to hybrid system
	Support multiple generator access	✓	✓	With generator signal detection interface, and one inverter can connect to multiple generators.

1. Max. input current is 16A for 182mm module.

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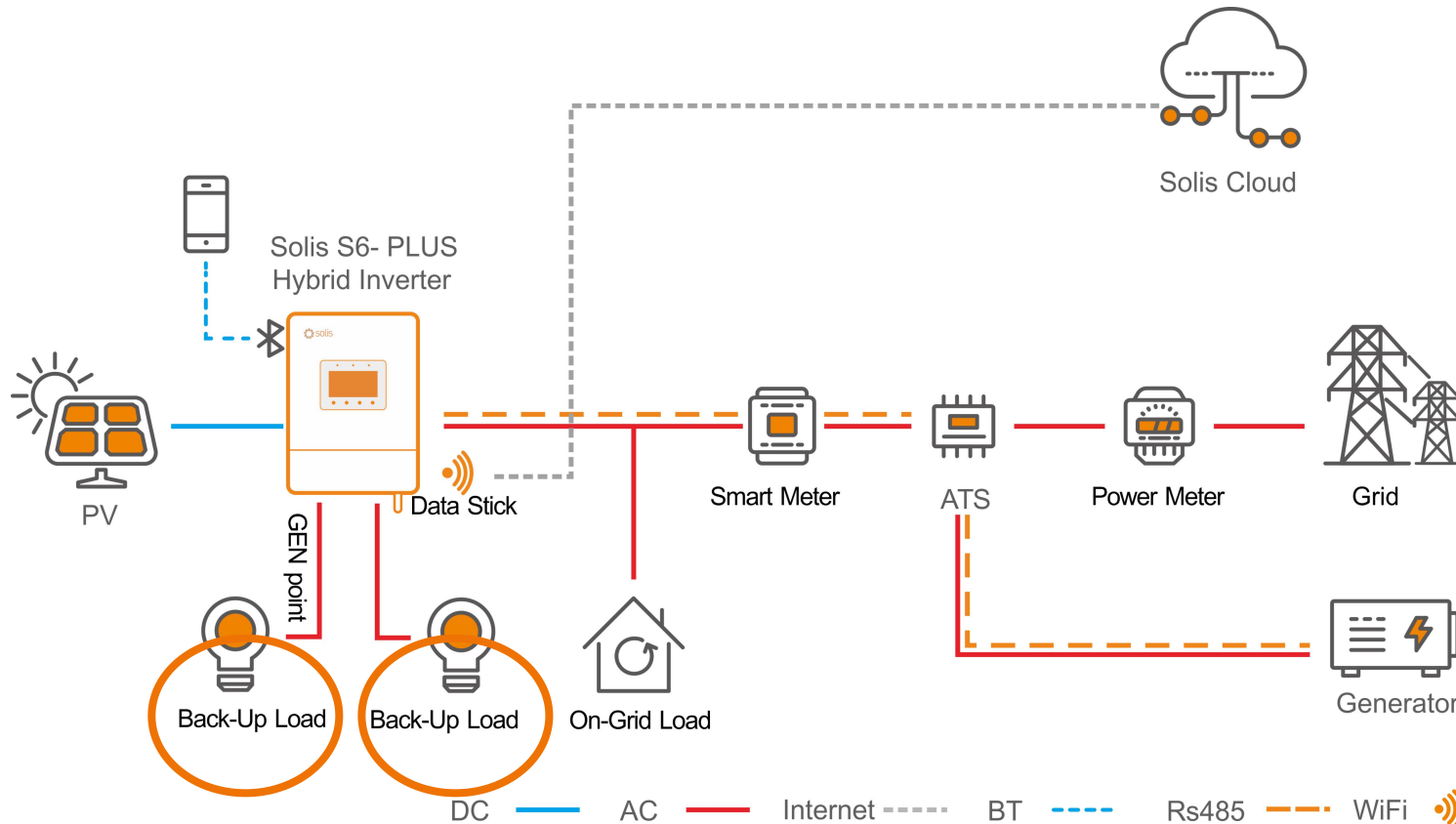
PV module power	Max input current	Average sunshine hours	Full power hours	Theoretical yield	Actual yield	Loss specific gravity	NOTE
competitor A	12 A	4 h	1.5 h	11680	10382	11.11%	The 182mm component is calculated based on the maximum current 13.5A
competitor B	13 A				11248	3.70%	
Solis	16 A				11680	0.00%	



Perfect fit for 182 components and larger current components to reduce power loss and bring more than 3.7% benefits to customers per year.

2.Support 2 backup control for load shielding during off grid mode.

友商不具备

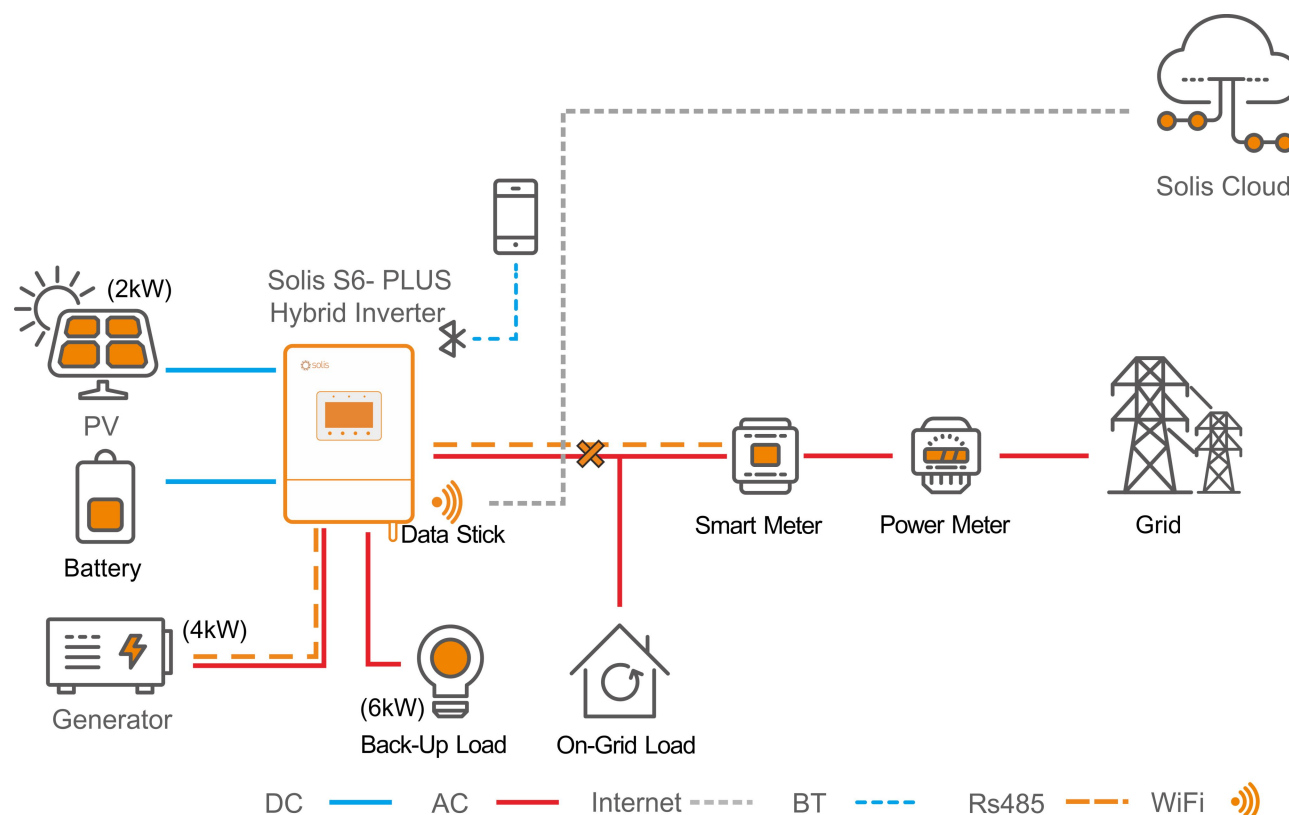


Flexible load configuration ensures stable power supply for critical loads

Customers can remotely control the turning on and off of backup port and generator port loads through Soliscloud platform. When the power grid is down, the non-critical loads at the generator port can be turned off to ensure that all the energy from the PV and battery is supplied to the critical loads to ensure the stable operation of the critical loads.

3. Support generator and inverter load at the same time with a stronger system load capacity

友商不具备

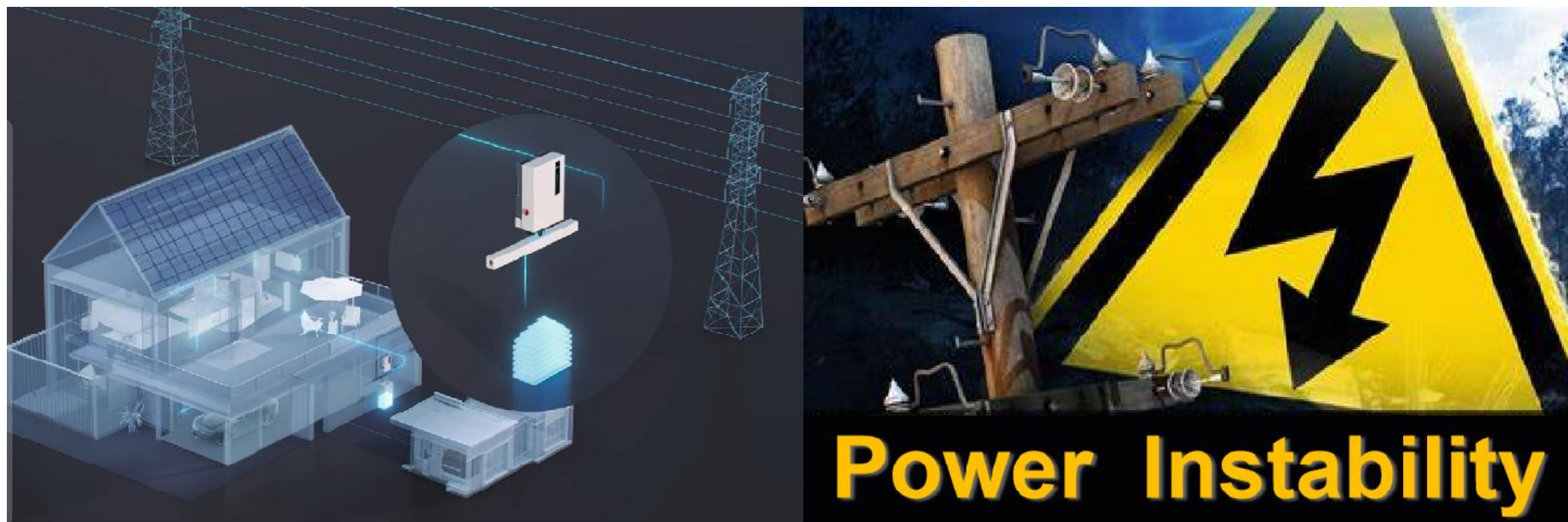


Stronger load capacity

It supports generator and inverter to carry load at the same time, which makes the system carrying capacity stronger. When the PV power or battery SOC is low, it can still carry a maximum loads. As shown in the picture on the right

4. Good adaptability to weak power supply

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Strong weak grid adaptability, when the grid or generator frequency and voltage instability and fluctuations, the inverter can still be stable with the load, there will be no load voltage fluctuations and other lights flicker phenomenon.

5. Battery reserve function in multiple scenarios

友商不具备

< Self-Use Mode

Self-Use Mode Switch

Time of Use Switch

Time of Use Charge Current Set 50.0A >

Time of Use Discharge Current Set 50.0A >

Charging & Discharging Setting

00 : 00 - 08 : 00 Charging

08 : 00 - 22 : 00 Discharging

+ Add Time

Allow Grid Charging

Battery Reserve switch

Reserved SOC 80% >

Grid charging power limit 8000W >

< Feed in Priority Mode

Feed in Priority Mode Switch

Time of Use Switch

Time of Use Charge Current Set 50.0A >

Time of Use Discharge Current Set 50.0A >

Charging & Discharging Setting

00 : 00 - 08 : 00 Charging

08 : 00 - 22 : 00 Discharging

+ Add Time

Allow Grid Charging

Battery Reserve switch

Reserved SOC 80% >

Grid charging power limit 8000W >

self-use

feed-in priority

Peakshaving

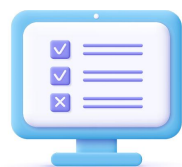
Improve the economy and reliability of power consumption.

Reliable power usage, easy and quick setup

Battery reserve function can be set in multiple operating modes to ensure that the battery has enough power for the load in case of grid power failure. In addition, it is easy to set up, and the target reserved SOC can be set up with one click.

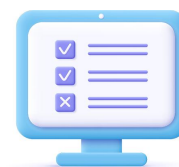
6. IP66 protection level

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IP66

VS



IP65

Dustproof capability:

Completely dust-proof, no particles enter

Waterproof capability:

Protect against strong water column impact,

twice the waterproof capacity of IPx5

Absolute advantage:

Dust-proof, IP66 can withstand strong currents, use is wider in the environment of strong convective weather like typhoon, rainstorm frequent have stronger adaptability

Dustproof capability:

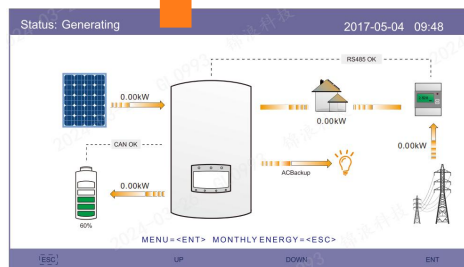
Completely dust-proof, no particles enter

Waterproof capability:

Protect against low pressure water column impact

7. Support LCD+ Bluetooth, and provide 1V1 dedicated Pad, make the interaction more friendly.

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LCD + Bluetooth near-end connection. O&M personnel can choose a more suitable interaction mode according to their own conditions, which is easy to control and operate the inverter in any scenarios.



In addition, the 1V1 dedicated Pad is provided. For users who cannot use smart phones, or do not want to add unfamiliar mobile apps, and the inverters are installed in special locations, the Pad can be used to set and check the running status.

8. Battery-friendly, real-time monitoring of battery status, remote upgrade of battery firmware, and battery heal function to prolong battery life.

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01

Soliscloud platform real-time monitoring of battery current, voltage, temperature, alarms, cycle times, total installed capacity and other battery status information.

02

Battery firmware can be upgraded through the Soliscloud platform

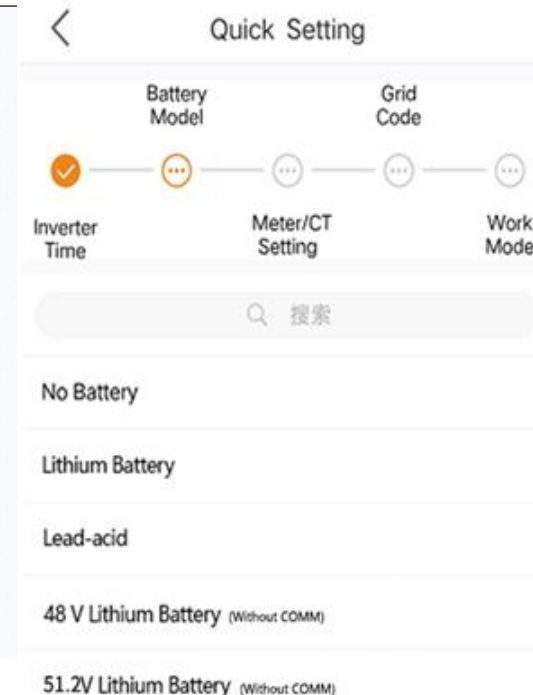
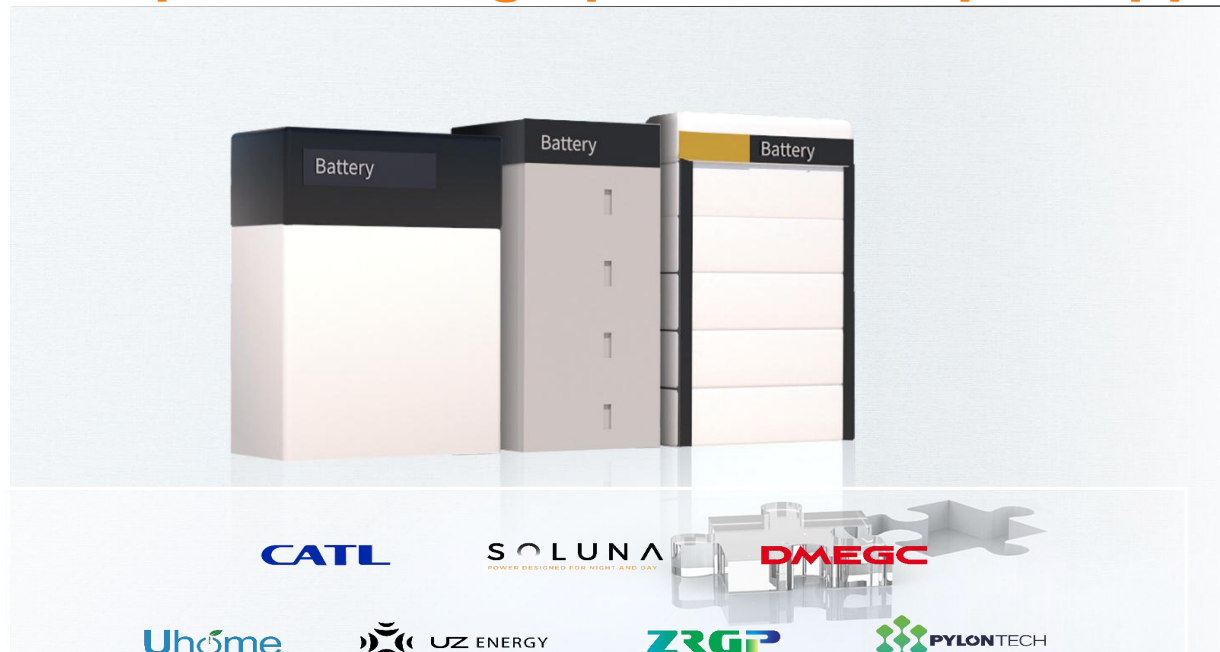


03

Battery life will be affected if the battery is in a low battery state for a long time. In order to ensure the battery life, Solis made the battery healing function. Turn on this function, when the battery power is low and triggered forcecharge, will use the PV energy to fully charge the battery once.

9. Compatible with multiple brands of lithium battery models, and add quick setting options, Simpler application.

客户关注



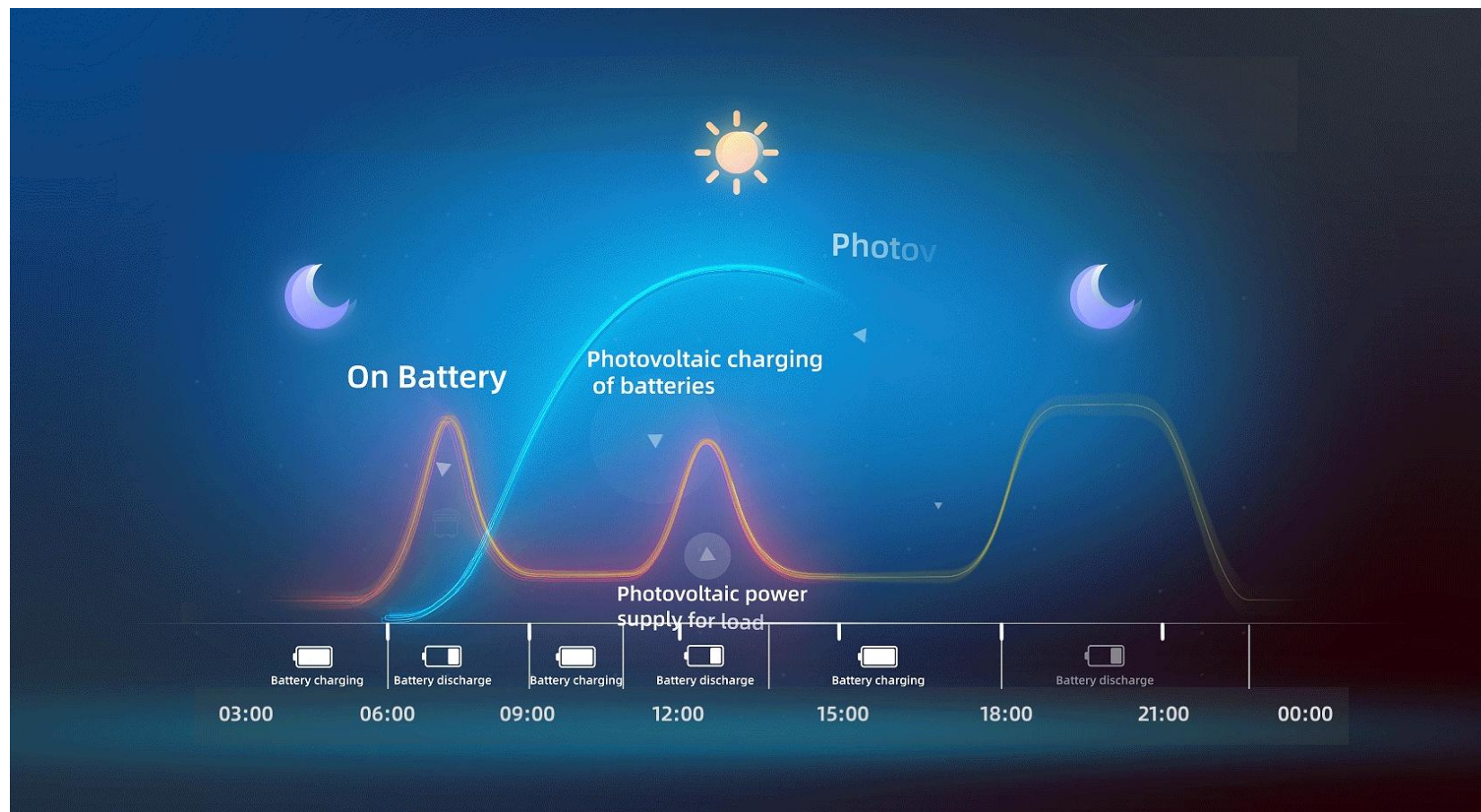
DIY Battery pack

Unbranded battery

Without COM battery

Added universal lithium battery options, including 48V and 51.2V without COM lithium batteries, optimizing customer battery matching and usage issues, simplifying customer setup.

10. Customizable charge/discharge time settings.

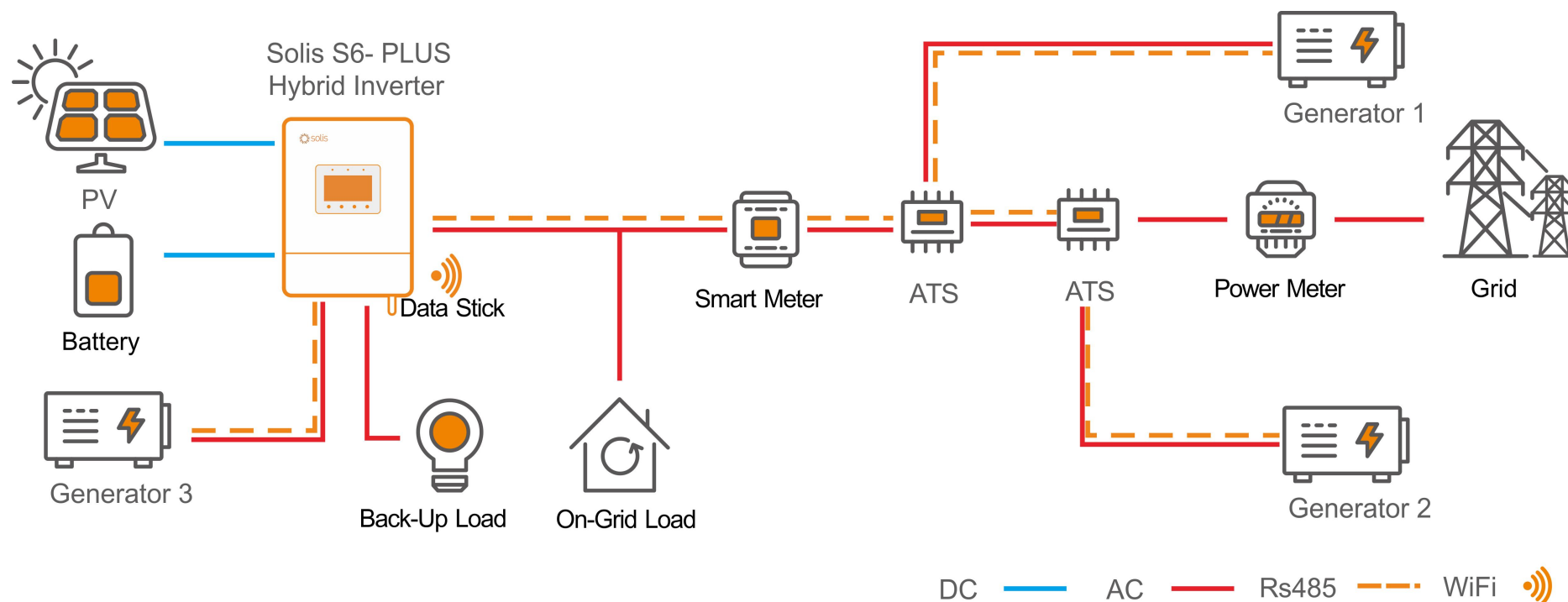


14:14 0.00 kWh 50.0A 50.0A

< Self-Use Mode

Self-Use Mode Switch	☒
Time of Use Switch	☒
Time of Use Charge Current Set	50.0A >
Time of Use Discharge Current Set	50.0A >
Charge Time Slot 1	22:00~08:00 >
Discharge Time Slot 1	08:00~22:00 >
Charge Time Slot 2	00:00~00:00 >
Discharge Time Slot 2	00:00~00:00 >
Charge Time Slot 3	00:00~00:00 >
Discharge Time Slot 3	00:00~00:00 >
Charge Time Slot 4	00:00~00:00 >
Discharge Time Slot 4	00:00~00:00 >
Charge Time Slot 5	00:00~00:00 >
Discharge Time Slot 5	00:00~00:00 >
Charge Time Slot 6	00:00~00:00 >
Discharge Time Slot 6	00:00~00:00 >
Allow Grid Charging	☒
Battery Reserve switch	☐
Reserved SOC	80% >
Grid charging power limit	6000W >

11. Support multiple generator access, with GEN access detection and min-power judgment



With generator signal detection interface, and one inverter can connect to multiple generators, and automatically identify the generator access and control the minimum input power of the generator.

12. Using Soliscloud maintain control

Soliscloud is a PV intelligent monitoring O&M system independently developed by Solis

- 01 Set real-time monitoring, accurate message push, intelligent alarm, efficient O&M, remote upgrade control, large visual screen, statistical analysis in one;
- 02 Real-time monitoring and automatic calculation of inverter, PV plant, household consumption and other dimensions of energy;
- 03 Remotely control the inverter and set the related parameters of the inverter



Leading cloud
computing platform



Data security
and reliability



Easy to
operate



Intelligent
control



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