

5.1 Preparation of Commissioning

- Ensure all the devices are accessible for operation, maintenance and service.
- Check and confirm that the inverter is firmly installed.
- Space for ventilation is sufficient for one inverter or multiple inverters.
- Nothing is left on the top of the inverter or battery module.
- Inverter and accessories are correctly connected.
- Cables are routed in safe place or protected against mechanical damage.
- Warning signs and labels are suitably affixed and durable.
- Bluetooth Antenna has been connected to the Antenna port of the inverter.
- An Android or IOS mobile phone with Bluetooth function is available.
- Soliscloud APP is installed on the mobile phone.

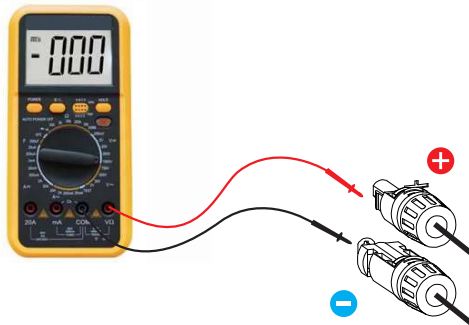
There are three ways to download and install the latest APP:

1. You can visit www.soliscloud.com to download the latest version APP.
2. You can search “**Soliscloud**” in Google Play or App Store.
3. You can scan this QR code below to download “**Soliscloud**”.

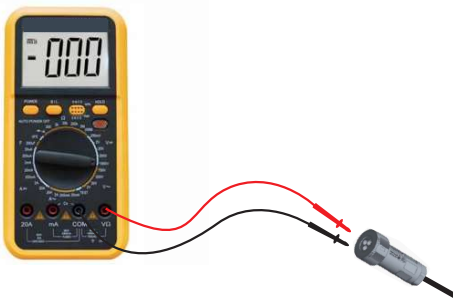


5.2 Commissioning Procedure

Step 1: Measure DC voltage of PV strings and battery and ensure the polarity is correct.

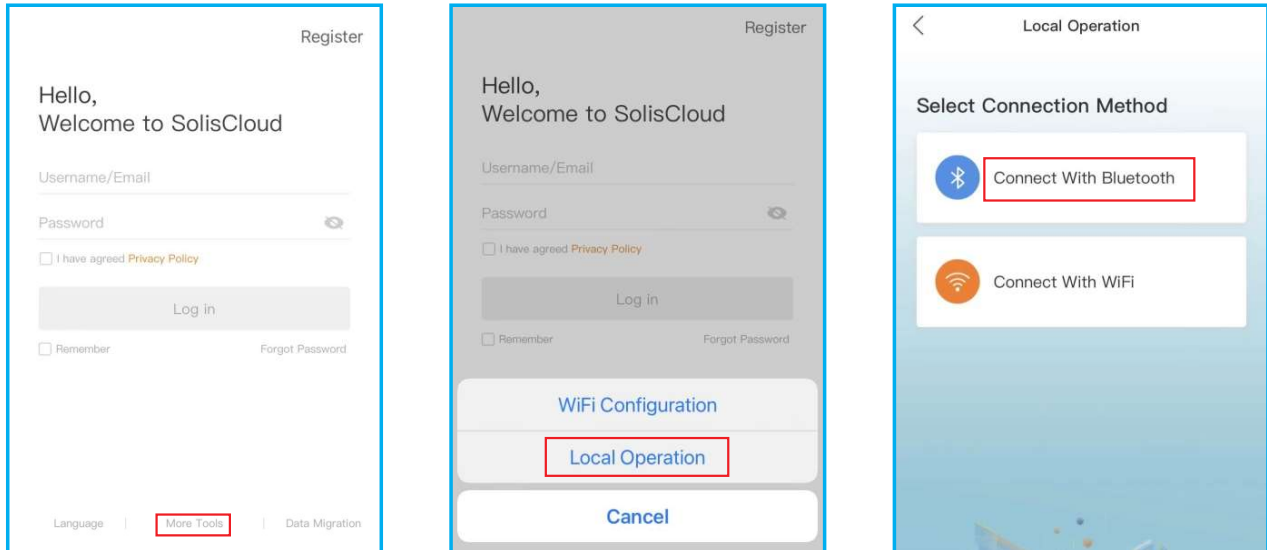


Step 2: Measure AC voltage and frequency and ensure they are within local standard.



Step 3: Switch on the external AC breaker to power on the inverter control board.
(Bluetooth signal available)

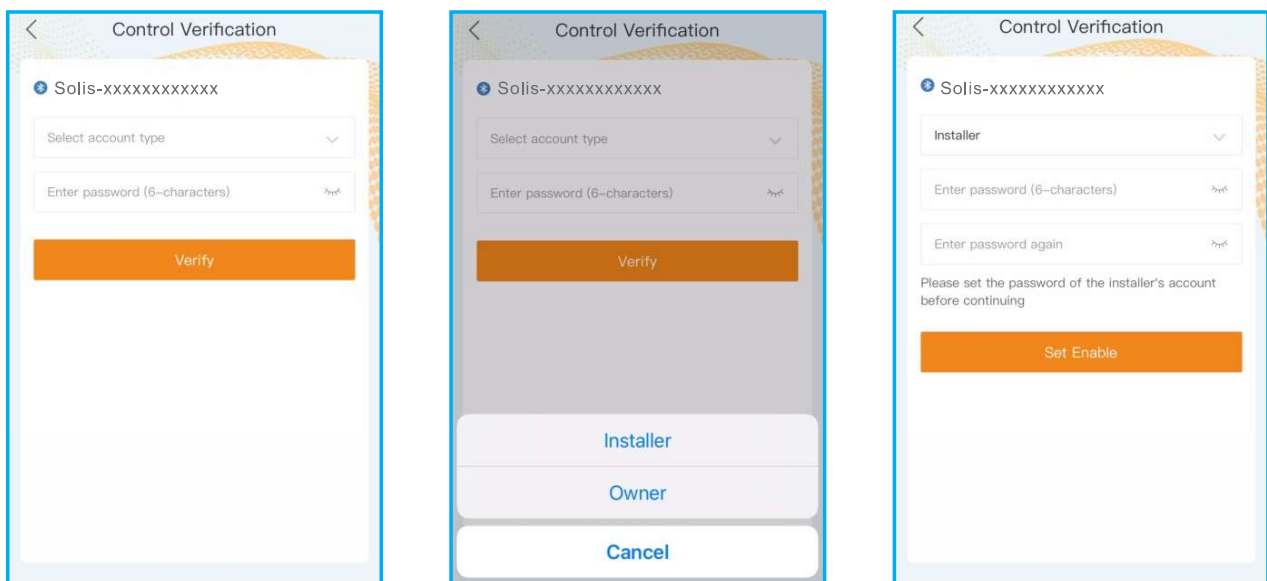
Step 4: Turn on Bluetooth switch on your mobile phone and then open the Soliscloud APP. Click “More Tools”->”Local Operation”->”Connect with Bluetooth”



Step 5: Select the Bluetooth signal from the inverter. (Bluetooth Name: Solis-Inverter SN)



Step 6: If you are the installer, please select the account type as Installer. If you are the plant owner, please select the account type as owner. Then set your own initial password for control verification. (The first log-in must be finished by installer in order to do the initial set up)

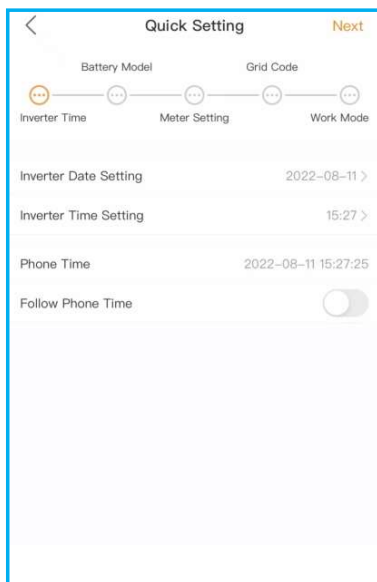


Step 7: After the log in for the first time, initial settings are required.

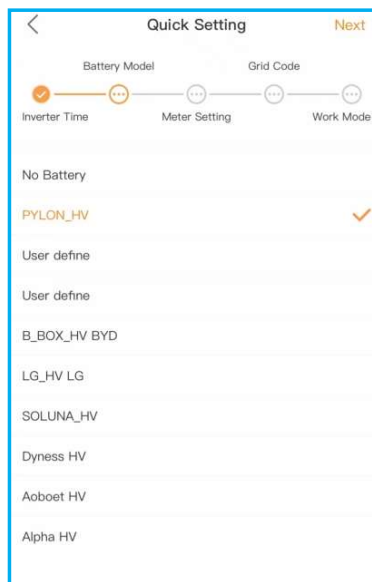
Step 7.1: Set the inverter Date and Time. You can set to follow the time on your mobile phone.

Step 7.2: Set the battery model. It must be based on the battery model that is actually connected to the inverter. If there is no battery connected for the moment, please select “No Battery” to avoid alarms. The default setting for battery over discharge SOC is 20%, force charge SOC is 10%.

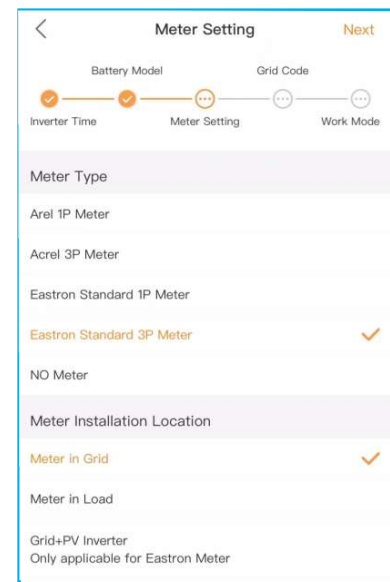
Step 7.3: Set the meter setting. It must be based on the meter type that is actually connected to the inverter. If there is no meter connected for the moment, please select “No Meter” to avoid alarms. It is suggested to install the meter at the system grid connection point and select “Meter in Grid”.



Step 7.1



Step 7.2

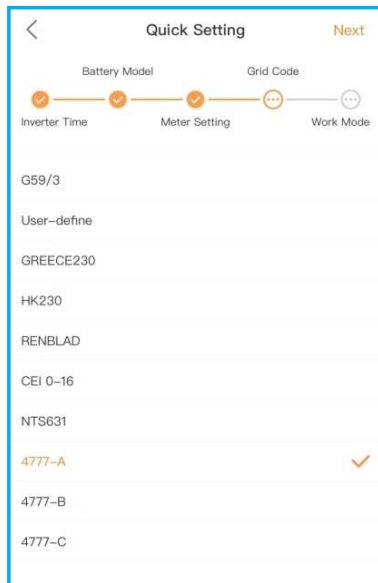


Step 7.3

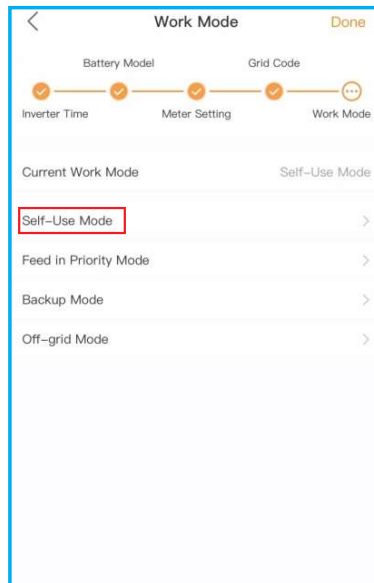
Step 7.4: Set the grid code setting. Please select the grid code based on the local grid network requirements.

Step 7.5: Set the work mode setting. Recommended setting is Self-Use Mode.

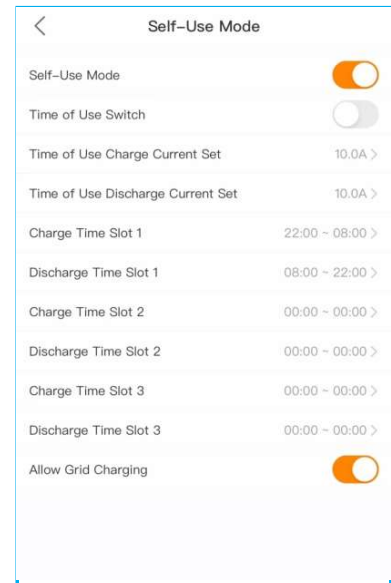
This mode can maximize the use of PV power generation for household electricity, or store it in batteries and use it for household electricity. If need manually control the battery charging and discharging with respect to time, please use the Time of Use switch and the following set points. The “Allow Grid Charging” is recommended to be turned on (If turned off, the inverter will not force charge the battery and battery could potentially go to sleep).



Step 7.4



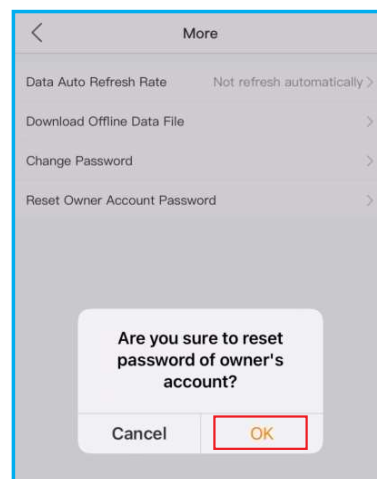
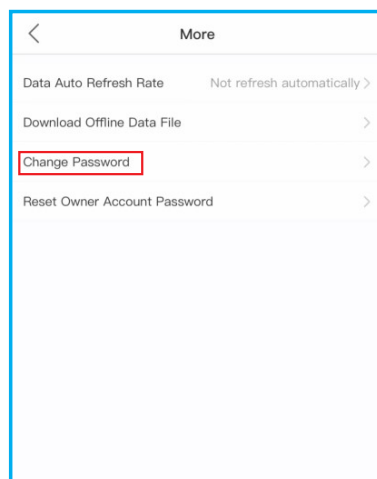
Step 7.5(1)



Step 7.5(2)

Step 8: Now the initial settings on the inverter have been set and you can switch on the inverter DC switch and switch on battery breaker to start up the system. You can also explore in the APP to check the operating data, alarm message or other advanced settings.

Step 9: If the Owner forgot the password, please contact the installer. Installer log in and go to "Setting"->"More"->"Change Password" to reset the password for owner's account. If Installer forgot the password, please contact Solis service team.



5.3 Shutdown procedure

Step 1. Turn off the AC breaker at the grid connection point.

Step 2. Turn off the DC switch of the inverter.

Step 3. Turn off the battery breaker.

Step 4. Waiting for the device powered off and the system shutdown is completed.

Solis S6 Series inverter does not require any regular maintenance. However, cleaning the heatsink will help the inverter dissipate heat and increase the lifetime of inverter. The dirt on the inverter can be cleaned with a soft brush.



CAUTION:

Do not touch the surface when the inverter is operating. Some parts may be hot and could cause burns. Turn OFF the inverter (refer to Section 6.2) and let it cool down before you do any maintenance or cleaning of inverter.

The Screen and the LED status indicator lights can be cleaned with cloth if they are too dirty to be read.



Note:

Never use any solvents, abrasives, or corrosive materials to clean the inverter.

The inverter has been designed in accordance with international grid-tied standards for safety and electromagnetic compatibility requirements. Before being delivered to the customer the inverter is subjected to several tests to ensure reliability operation and reliability.

In case of a failure app will display an alarm message. In this case, the inverter may stop feeding energy into the grid. The alarm descriptions and their corresponding alarm messages are listed in Table 6.1:

6. Troubleshooting

Alarm Message	Failure description	Solution
ARC-FAULT	ARC detected in DC circuit	1. Check if there is an arc in the PV connection and restart inverter.
AFCI Check FAULT	AFCI module self check fault	1. Restart inverter or contact installer.
DCinj-FAULT	High DC injection current	1. Restart inverter or contact installer.
DSP-B-FAULT	Comm. failure between main and slave DSP	1. Restart inverter or contact installer.
DC-INTF	DC input overcurrent	1. Restart inverter. 2. Identify and remove the string related to the faulty MPPT. 3. Change power board.
G-IMP	High grid impedance	1. User design function allows the protection limit to be adjusted if it is allowed by electrical company.
GRID-INTF01/02	Grid interference	1. Restart inverter. 2. Change power board.
IGBT-OV-I	Over IGBT current	
IGFOL-F	Grid current tracking fail	1. Restart inverter or contact installer.
IG-AD	Grid current sampling fail	
ILeak-PRO 01/02/03/04	leakage current protection	1. Check AC and DC connection. 2. Check inverter inside cable connection.
INI-FAULT	Initialization system fault	1. Restart inverter or contact installer.
NO-Battery	Unconnected battery	1. Ensure the battery is connected properly. 2. Verify the output battery voltage is correct.
NO-GRID	No grid voltage	1. Check connections and grid switch. 2. Verify the grid voltage is correct on the AC Terminals inside the inverter wiring box.
OV-BUS	Over DC bus voltage	1. Check inverter inductor connection. 2. Check driver connection.

Alarm Message	Failure description	Solution
OV-DC01/02/03/04	Over DC voltage	1. Reduce the module number in series.
OV-DCA-I	DC input overcurrent	1. Restart inverter. 2. Identify and remove the string of the faulted MPPT. 3. Change power board.
OV-G-V01/02/03/04/05	Over grid voltage	1. Resistance of AC Cable is too high. Increase the gauge of grid cables. 2. Adjust the protection limit if it is permitted by electrical company.
OV-G-I	Over grid current	1. Restart inverter. 2. Change power board.
OV-G-F01/02	Over grid frequency	1. User design function allows the protection limit to be adjusted if it is permitted by electrical company.
OV-IgTr	AC side transient overcurrent	1. Restart inverter. 2. Return-factory repair.
OV-ILLC	LLC hardware overcurrent	
OV-VBackup	Backup overvoltage fault	
OV-TEM	Over Temperature	1. Check inverter surrounding ventilation. 2. Determine if there is direct sunlight on the inverter during hot weather.
OV-Vbatt1	The detection of battery overvoltage	1. Verify the protection point for over voltage is set correctly. 2. Restart inverter.
OV-Vbatt-H	Battery overvoltage hardware fault	1. Check if any part of the battery input circuit is tripped, ie. battery fuses, battery circuit breaker. 2. Restart inverter.
Over-Load	Backup overload fault	1. Check the load of Backup port is over rating output power or not. 2. Reduce the load of Backup port, then restart inverter.
PV ISO-PRO01/02	PV isolation protection	1. Remove all DC input, reconnect and restart inverter one by one. 2. Identify which string cause the fault and check the isolation of the string.
RelayChk-FAIL	Relay check fail	1. Restart inverter or contact installer.

Alarm Message	Failure description	Solution
UN-BUS01/02	Under DC bus voltage	1. Check inverter inductor connection. 2. Check driver connection.
UN-G-F01/02	Under grid frequency	1. Use user define function to adjust the protection limit if it's allowed by electrical company.
UN-G-V01/02	Under grid voltage	
12Power-FAULT	12V power supply fault	1. Restart inverter or contact installer.

Table 6.1 Fault message and description



NOTE:

If the inverter displays any alarm message listed in Table 6.1; please turn off the inverter and wait for 5 minutes before restarting it . If the failure persists, please contact your local distributor or the service center.

If you have any technical problems with the hybrid system, please contact the Solis after-sale service. We recommend gathering the following information before making contact in order to get timely support.

Item	Details	Supplemental Info
Inverter SN		SN from nameplate
Inverter Firmware Version		6 digits of number or letter (Check the inverter user manual for the path)
DC connections		Solar modules, numbers, configuration
Detailed description of the problem		
Battery SN, Firmware version		Check battery user manual for the path
Is it connected to Solis Monitoring Portal?		Yes/No
Take pictures showing all the cable connections in the system (Videos preferred)		If available

7. Specifications

Technical Data	S6-EH1P3.8K-H-US	S6-EH1P5K-H-US
Input DC (PV side)		
Recommended max. PV power	6080W	8000W
Max. input voltage	600V	
Rated voltage	380V	
Start-up voltage	80V	
MPPT voltage range	80-550V	
Full load MPPT voltage range	140-450V	
Max. input current per string	16A	
Max. short circuit current per string	25.6A	
Number of MPPTs/Number of strings per MPPT	2/1	3/1
Energy Storage		
Battery type	Lithium-ion	
Battery voltage range	120 - 500V	
Maximum charge/discharge current	25A	
Battery Communication	CAN/RS485	
Number of batteries per inverter	See Battery Compatibility Sheet	
AC Output (Grid)		
Rated output power	3.8kW	5kW
Max. apparent output power	3.8kW	5kW
Rated output voltage	240 V/120 V	
Rated frequency	60 Hz	
Rated output current	15.8A	20.8A
Max. output current	15.8A	20.8A
THDi	<3%	
AC Input (Grid)		
Input voltage range	211-264V	
Max. input current	23.8A	31.2A
Frequency range	59-61 Hz	

7. Specifications

Technical Data	S6-EH1P3.8K-H-US	S6-EH1P5K-H-US
AC Output (Backup and Off-grid)		
Rated output power	3.8kW	5kW
Max. apparent output power	6.1 kVA, 10 sec	8 kVA, 10 sec
Back-up switch time	< 10 ms	
Phase Power	240V Split-Phase	
Rated output voltage(L1-L2)/(L1/L2-N)	240 V/120 V	
AC output voltage range	211-264 V/105-132 V	
Rated grid frequency	60 Hz	
Frequency range	55-65Hz	
Rated AC output current	15.8A	20.8A
Max. output overcurrent protection, 10sec	25.4A	33.3A
Max. allowable phase imbalance	100%	
Backup support configurations	Dedicated loads and whole-home (with a Solis Power Hub)	
Power Factor	>0.99 (0.8 leading - 0.8 lagging)	
THDv(@linear load)	<3%	
Efficiency		
PV Max. efficiency	97.6%	
PV CEC efficiency	97.2%	
BAT charged by PV Max. efficiency	98.5%	
BAT charged/discharged to AC Max. efficiency	97.0%	
Protection		
Ground fault detection	Yes	
Residual (leakage) current detection	Yes	
Integrated AFCI (DC arc-fault circuit protection)	Yes	
DC reverse-polarity protection	Yes (PV only)	
Rapid Shutdown NEC 2017	Integrated SunSpec-certified Transmitter	
Compatible RSD Receivers	See MLRSD compatibility sheet	
Protection class/Over voltage category	I/II	

7. Specifications

Technical Data	S6-EH1P3.8K-H-US	S6-EH1P5K-H-US
General data		
Dimensions(H/W/D)	25.47*19.21*9.00 in (647*488*228.5 mm)	
Weight	44.1 lbs (20 kg)	
Topology	Transformerless	
Operation temperature range	-25~+60 °C/-31~+140 °F	
Ingress protection	NEMA 4X(IP66)	
Noise emission (Typical)	<30 dB (A)	
Cooling method	Natural convection	
Max.operation altitude	13120 ft (4000 m)	
Complicance	UL1741SB,UL1741SA,IEEE1547-2018,UL1699B,UL1998, FCCPart15ClassB,California Rule21,Heco Rule 14H, NEC 690.12-2020,CAN/CSA C22.2107.1-1	
Generator support	Yes; up to 25 kW (with a Solis Power Hub)	
Features		
DC connection	1 in. knockouts for conduit (x2) on the side and bottom; Spring clamp terminals	
AC connection	2 in. knockouts for conduit (x3) on the side and bottom; Spring clamp terminals	
Interface	LED indicator lights, Bluetooth/Phone app	
Monitoring Platform	SolisCloud (modbus map and API sharing available upon request)	
Communication	RS485, Optional: Cellular, Wi-Fi, LAN	
Warranty	10 years standard (Extend to 20 years)	

7. Specifications

Technical Data	S6-EH1P6K-H-US	S6-EH1P7.6K-H-S-US
Input DC (PV side)		
Recommended max. PV power	9600W	12160W
Max. input voltage	600V	
Rated voltage	380V	
Start-up voltage	80V	
MPPT voltage range	80-550V	
Full load MPPT voltage range	155-450V	175-450V
Max. input current per string	16A	
Max. short circuit current per string	25.6A	
Number of MPPTs/Number of strings per MPPT	3/1	
Energy Storage		
Battery type	Lithium-ion	
Battery voltage range	120 - 500V	
Maximum charge/discharge current	25A	
Battery Communication	CAN/RS485	
Number of batteries per inverter	See Battery Compatibility Sheet	
AC Output (Grid)		
Rated output power	6kW	7.6kW
Max. apparent output power	6kW	7.6kW
Rated output voltage	240 V/120 V	
Rated frequency	60 Hz	
Rated output current	25.0A	31.7A
Max. output current	25.0A	31.7A
THDi	<3%	
AC Input (Grid)		
Input voltage range	211-264V	
Max. input current	37.5A	47.6A
Frequency range	59-61 Hz	

7. Specifications

Technical Data	S6-EH1P6K-H-US	S6-EH1P7.6K-H-S-US
AC Output (Backup and Off-grid)		
Rated output power	6kW	7.6kW
Max. apparent output power	9.6 kVA, 10 sec	12.2 kVA, 10 sec
Back-up switch time	< 10 ms	
Phase Power	240V Split-Phase	
Rated output voltage(L1-L2)/(L1/L2-N)	240 V/120 V	
AC output voltage range	211-264 V/105-132 V	
Rated grid frequency	60 Hz	
Frequency range	55-65Hz	
Rated AC output current	25.0A	31.7A
Max. output overcurrent protection, 10sec	40.0A	50.7A
Max. allowable phase imbalance	100%	
Backup support configurations	Dedicated loads and whole-home (with a Solis Power Hub)	
Power Factor	> 0.99 (0.8 leading - 0.8 lagging)	
THDv(@linear load)	<3%	
Efficiency		
PV Max. efficiency	97.6%	
PV CEC efficiency	97.2%	
BAT charged by PV Max. efficiency	98.5%	
BAT charged/discharged to AC Max. efficiency	97.0%	
Protection		
Ground fault detection	Yes	
Residual (leakage) current detection	Yes	
Integrated AFCI (DC arc-fault circuit protection)	Yes	
DC reverse-polarity protection	Yes (PV only)	
Rapid Shutdown NEC 2017	Integrated SunSpec-certified Transmitter	
Compatible RSD Receivers	See MLRSD compatibility sheet	
Protection class/Over voltage category	I/II	

7. Specifications

Technical Data	S6-EH1P6K-H-US	S6-EH1P7.6K-H-S-US
General data		
Dimensions(H/W/D)	25.47*19.21*9.00 in (647*488*228.5 mm)	
Weight	44.1 lbs (20 kg)	
Topology	Transformerless	
Operation temperature range	-25~+60 °C/-31~+140 °F	
Ingress protection	NEMA 4X(IP66)	
Noise emission (Typical)	<30 dB (A)	
Cooling method	Natural convection	
Max.operation altitude	13120 ft (4000 m)	
Complicance	UL1741SB,UL1741SA,IEEE1547-2018,UL1699B,UL1998, FCCPart15ClassB,California Rule21,Heco Rule 14H, NEC 690.12-2020,CAN/CSA C22.2107.1-1	
Generator support	Yes; up to 25 kW (with a Solis Power Hub)	
Features		
DC connection	1 in. knockouts for conduit (x2) on the side and bottom; Spring clamp terminals	
AC connection	2 in. knockouts for conduit (x3) on the side and bottom; Spring clamp terminals	
Interface	LED indicator lights, Bluetooth/Phone app	
Monitoring Platform	SolisCloud (modbus map and API sharing available upon request)	
Communication	RS485, Optional: Cellular, Wi-Fi, LAN	
Warranty	10 years standard (Extend to 20 years)	

7. Specifications

Technical Data	S6-EH1P7.6K-H-L-US	S6-EH1P8K-H-US
Input DC (PV side)		
Recommended max. PV power	12160W	12800W
Max. input voltage	600V	
Rated voltage	380V	
Start-up voltage	80V	
MPPT voltage range	80-550V	
Full load MPPT voltage range	175-450V	185-450V
Max. input current per string	16A	
Max. short circuit current per string	25.6A	
Number of MPPTs/Number of strings per MPPT	4/1	
Energy Storage		
Battery type	Lithium-ion	
Battery voltage range	120 - 500V	
Maximum charge/discharge current	50A	
Battery Communication	CAN/RS485	
Number of batteries per inverter	See Battery Compatibility Sheet	
AC Output (Grid)		
Rated output power	7.6kW	8kW
Max. apparent output power	7.6kW	8kW
Rated output voltage	240 V/120 V	
Rated frequency	60 Hz	
Rated output current	31.7A	33.3A
Max. output current	31.7A	33.3A
THDi	<3%	
AC Input (Grid)		
Input voltage range	211-264V	
Max. input current	47.6A	49.9A
Frequency range	59-61 Hz	

7. Specifications

Technical Data	S6-EH1P7.6K-H-L-US	S6-EH1P8K-H-US
AC Output (Backup and Off-grid)		
Rated output power	7.6kW	8kW
Max. apparent output power	12.2 kVA, 10 sec	12.8 kVA, 10 sec
Back-up switch time	< 10 ms	
Phase Power	240V Split-Phase	
Rated output voltage(L1-L2)/(L1/L2-N)	240 V/120 V	
AC output voltage range	211-264 V/105-132 V	
Rated grid frequency	60 Hz	
Frequency range	55-65Hz	
Rated AC output current	31.7A	33.3A
Max. output overcurrent protection, 10sec	50.7A	53.3A
Max. allowable phase imbalance	100%	
Backup support configurations	Dedicated loads and whole-home (with a Solis Power Hub)	
Power Factor	>0.99 (0.8 leading - 0.8 lagging)	
THDv(@linear load)	<3%	
Efficiency		
PV Max. efficiency	97.6%	
PV CEC efficiency	97.2%	
BAT charged by PV Max. efficiency	98.5%	
BAT charged/discharged to AC Max. efficiency	97.0%	
Protection		
Ground fault detection	Yes	
Residual (leakage) current detection	Yes	
Integrated AFCI (DC arc-fault circuit protection)	Yes	
DC reverse-polarity protection	Yes (PV only)	
Rapid Shutdown NEC 2017	Integrated SunSpec-certified Transmitter	
Compatible RSD Receivers	See MLRSD compatibility sheet	
Protection class/Over voltage category	I/II	

7. Specifications

Technical Data	S6-EH1P7.6K-H-L-US	S6-EH1P8K-H-US
General data		
Dimensions(H/W/D)	26.61*21.85*9.39 in (676*555*238.5 mm)	
Weight	81.04 lbs (36.76 kg)	
Topology	Transformerless	
Operation temperature range	-25~+60 °C/-31~+140 °F	
Ingress protection	NEMA 4X(IP66)	
Noise emission (Typical)	<30 dB (A)	
Cooling method	Natural convection	
Max.operation altitude	13120 ft (4000 m)	
Complicance	UL1741SB,UL1741SA,IEEE1547-2018,UL1699B,UL1998, FCCPart15ClassB,California Rule21,Heco Rule 14H, NEC 690.12-2020,CAN/CSA C22.2107.1-1	
Generator support	Yes; up to 25 kW (with a Solis Power Hub)	
Features		
DC connection	1 in. knockouts for conduit (x2) on the side and bottom; Spring clamp terminals	
AC connection	2 in. knockouts for conduit (x3) on the side and bottom; Spring clamp terminals	
Interface	LED indicator lights, Bluetooth/Phone app	
Monitoring Platform	SolisCloud (modbus map and API sharing available upon request)	
Communication	RS485, Optional: Cellular, Wi-Fi, LAN	
Warranty	10 years standard (Extend to 20 years)	

7. Specifications

Technical Data	S6-EH1P10K-H-US	S6-EH1P11.4K-H-US
Input DC (PV side)		
Recommended max. PV power	16000W	18240W
Max. input voltage	600V	
Rated voltage	380V	
Start-up voltage	80V	
MPPT voltage range	80-550V	
Full load MPPT voltage range	230-450V	245-450V
Max. input current per string	16A	
Max. short circuit current per string	25.6A	
Number of MPPTs/Number of strings per MPPT	4/1	
Energy Storage		
Battery type	Lithium-ion	
Battery voltage range	120 - 500V	
Maximum charge/discharge current	50A	
Battery Communication	CAN/RS485	
Number of batteries per inverter	See Battery Compatibility Sheet	
AC Output (Grid)		
Rated output power	10kW	11.4kW
Max. apparent output power	10kW	11.4kW
Rated output voltage	240 V/120 V	
Rated frequency	60 Hz	
Rated output current	41.7A	47.5A
Max. output current	41.7A	47.5A
THDi	<3%	
AC Input (Grid)		
Input voltage range	211-264V	
Max. input current	62.6A	71.3A
Frequency range	59-61 Hz	

7. Specifications

Technical Data	S6-EH1P10K-H-US	S6-EH1P11.4K-H-US
AC Output (Backup and Off-grid)		
Rated output power	10kW	11.4kW
Max. apparent output power	16 kVA, 10 sec	18.2 kVA, 10 sec
Back-up switch time	< 10 ms	
Phase Power	240V Split-Phase	
Rated output voltage(L1-L2)/(L1/L2-N)	240 V/120 V	
AC output voltage range	211-264 V/105-132 V	
Rated grid frequency	60 Hz	
Frequency range	55-65Hz	
Rated AC output current	41.7A	47.5A
Max. output overcurrent protection, 10sec	66.7A	76.0A
Max. allowable phase imbalance	100%	
Backup support configurations	Dedicated loads and whole-home (with a Solis Power Hub)	
Power Factor	> 0.99 (0.8 leading - 0.8 lagging)	
THDv(@linear load)	<3%	
Efficiency		
PV Max. efficiency	97.6%	
PV CEC efficiency	97.2%	
BAT charged by PV Max. efficiency	98.5%	
BAT charged/discharged to AC Max. efficiency	97.0%	
Protection		
Ground fault detection	Yes	
Residual (leakage) current detection	Yes	
Integrated AFCI (DC arc-fault circuit protection)	Yes	
DC reverse-polarity protection	Yes (PV only)	
Rapid Shutdown NEC 2017	Integrated SunSpec-certified Transmitter	
Compatible RSD Receivers	See MLRSD compatibility sheet	
Protection class/Over voltage category	I/II	

7. Specifications

Technical Data	S6-EH1P10K-H-US	S6-EH1P11.4K-H-US
General data		
Dimensions(H/W/D)	26.61*21.85*9.39 in (676*555*238.5 mm)	
Weight	81.04 lbs (36.76 kg)	
Topology	Transformerless	
Operation temperature range	-25~+60 °C/-31~+140 °F	
Ingress protection	NEMA 4X(IP66)	
Noise emission (Typical)	<30 dB (A)	
Cooling method	Natural convection	
Max.operation altitude	13120 ft (4000 m)	
Complicance	UL1741SB,UL1741SA,IEEE1547-2018,UL1699B,UL1998, FCCPart15ClassB,California Rule21,Heco Rule 14H, NEC 690.12-2020,CAN/CSA C22.2107.1-1	
Generator support	Yes; up to 25 kW (with a Solis Power Hub)	
Features		
DC connection	1 in. knockouts for conduit (x2) on the side and bottom; Spring clamp terminals	
AC connection	2 in. knockouts for conduit (x3) on the side and bottom; Spring clamp terminals	
Interface	LED indicator lights, Bluetooth/Phone app	
Monitoring Platform	SolisCloud (modbus map and API sharing available upon request)	
Communication	RS485, Optional: Cellular, Wi-Fi, LAN	
Warranty	10 years standard (Extend to 20 years)	

8.1 FCC Certification

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



FCC WARNING:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Ginlong Technologies Co., Ltd.

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Web: www.ginlong.com

Please adhere to the actual products in case of any discrepancies in this user manual.

If you encounter any problem on the inverter, please find out the inverter S/N
and contact us, we will try to respond to your question ASAP.



SunSpec
Certified



Comply with CA Rule 21/

Certified to UL 1741 SA

**Certified to UL Std. No. 1741-Second Edition
& CSA-C22.2 No.107.1-16**