

Manufacturers G100 Product Declaration

Manufacturer: SunSynk Ltd.

SunSynk UK limited hereby confirms that SUNSYNK Hybrid inverter complies with the Engineering Recommendation G100, Technical Guidance for Customer Export Limiting Schemes, when installed in accordance with this Engineering G100 Declaration. This Declaration should be read in conjunction with the inverter user manuals and meter quick installation guide.

Models:

SYNK-3/3.6/5/6K-SG04LP1

SUNSYNK-3.6/5K-SG03LP1

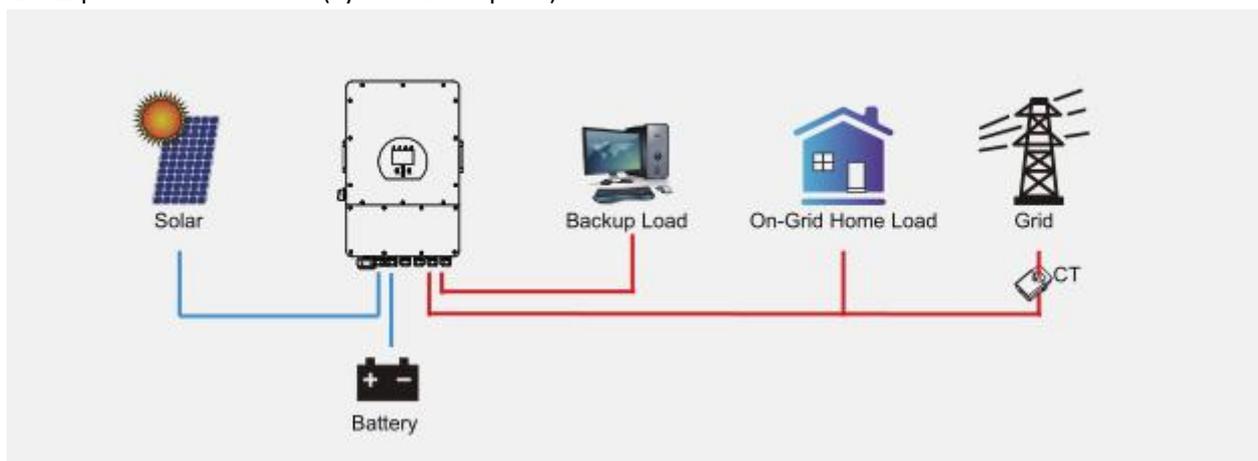
SYNK-5/6/8/10/12K-SG04LP3

SYNK-12/14/16K-SG01LP1

SYNK-8K-SG05LP1

SUNSYNK-8K-SG01LP1

1. Export Control Solution (System Description)



Hybrid inverter will not only provide power to the backup load connected but also give power to the home load connected. If PV power and battery power is insufficient, it will take grid energy as supplement. The hybrid inverter will not sell power to grid. The external CT (& Meter) will detect power flowing back to the grid and will reduce the power of the inverter only to supply the local load, charge battery and home load. This control is achieved by:

Meter or CT (Power Monitoring Unit)

- Measures power flowing in/out of the home and sends this data to inverter.
- Connected to the inverter via a communication cable

If the CT or the Meter fails, the RS485 communications would be lost and the inverters would permanently reduce to the site export limit which has been set.

2. Power Limit

Max. sell power: Allowed the maximum output power to flow to grid.

Zero-export Power: for zero-export mode, it tells the grid output power. Recommend to set it as 20-100W to ensure the hybrid inverter won't feed power to grid.



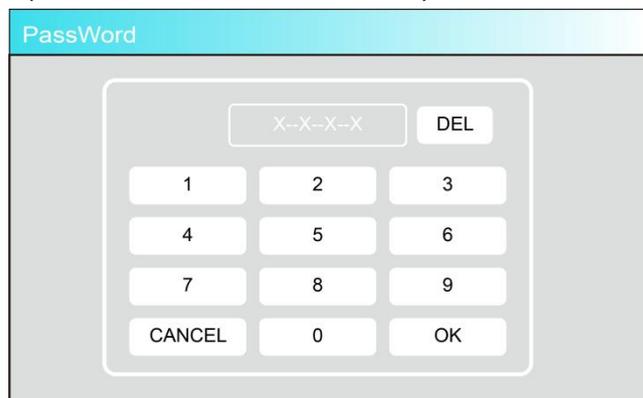
3. G100 requirement

The ELS must detect an excursion and reduce the export to the Agreed Export Capacity or less within 5 seconds.

- o Under normal operating conditions, (enter product name) response time is less than 2s.
- o Under loss of communications, or loss of power to Meter/Gateway, response time is less than 2s.

4. Password Protection

All settings are password protected and cannot be altered by the customer.



Bard Dai
Safety Engineer
8/13/2022
SunSynk Ltd.