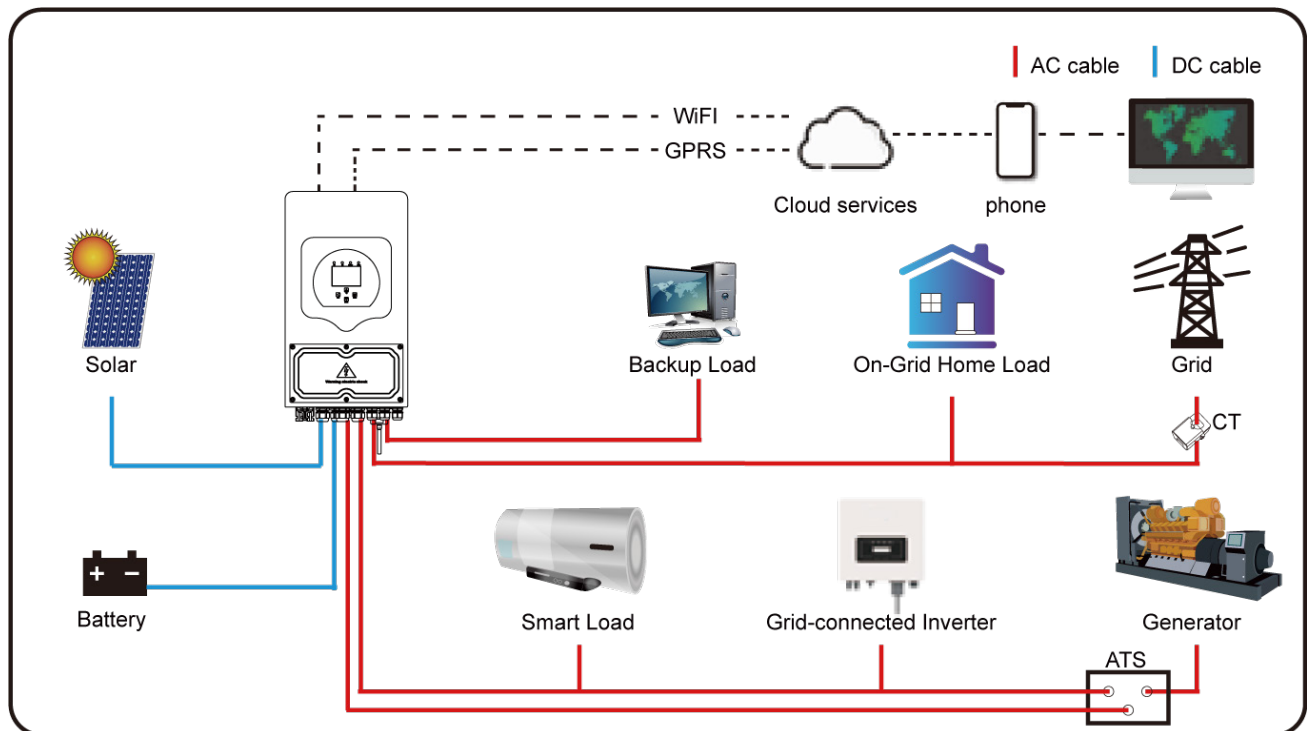


Manufacturers G100 Product Declaration

Manufacturer: Global Tech China Ltd.

Global Tech China Ltd. hereby confirms that SUNSYNK-5K-SG01LP3 inverter complies with the Engineering Recommendation G100 Issue 1 2016, 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.

1. Export Control Solution (System Description)



The 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 are insufficient, it will take grid energy as a supplement. The hybrid inverter will not sell power to the 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 and charge the 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 the 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

Inverter Power Limiter: Allowed the maximum output power to flow to the grid.

Grid Trickle Feed: For zero-export mode, it tells the grid output power. Recommend to set it as 20-100W to ensure the hybrid inverter will not feed power to the grid.

System Mode						Help
System 1	System 2					
Time Start	Time End	Power	SOC/V	Grid	Gen	
01:00	05:00	8000	100%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Use Timer <div>Cancel</div> <div>OK</div>
05:00	09:00	8000	100%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
09:00	13:00	8000	100%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
13:00	17:00	8000	100%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
17:00	21:00	8000	100%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
21:00	01:00	8000	100%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

System Mode		Help
System 1	System 2	
<input checked="" type="checkbox"/> Zero Export <div> <input type="checkbox"/> Solar Export <input type="checkbox"/> Limit To Load Only </div> <div>20W Grid Trickle Feed</div> <div>8000W Inverter Power Limiter</div>	<input checked="" type="checkbox"/> Priority Load <div>Cancel</div> <div>OK</div>	

3. G100 requirement

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

- Under normal operating conditions, (enter product name) response time is less than 2s.
- Under the 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.

Basic Setup			Help
Time	Display	Reset	
Password			
9-9-9-9			Cancel
Cancel	Cancel	Cancel	Cancel
Cancel	Cancel	Cancel	Cancel
Cancel	Cancel	Cancel	OK



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