Manufacturer's Declaration for ENA EREC G100 Requirements

1 System Description

Huawei Export Control Solution measures the active power at the point connected to the distribution system, and then uses the information to control the inverters' export power and balance the customers demand in order to prevent the export power to the distribution system from exceeding the agreed export capacity.

In Export Limitation mode, the SmartLogger will reduce the feed-in power automatically to a value less than 5% of nominal PV system power within 5 seconds. Section 2 below describes the necessary configuration.

Export Control Solution is designed fail-safe. If the power meter or the power controller fail, or the power controller loses communication with the power meter, the active power exported will be limited to the agreed export capacity or less.

2 Necessary configuration

Power Controller	Meter	Inverter	Max capacity
SmartLogger3000	1) Data Refresh Delay Time ≤0.2s 2) ≤1% 3) Modbus-RTU Protocol	SUN2000-33KTL-A SUN2000-36KTL SUN2000-60KTL-M0 SUN2000-100KTL-M1	1MW/50 inverters

3 Control Scheme

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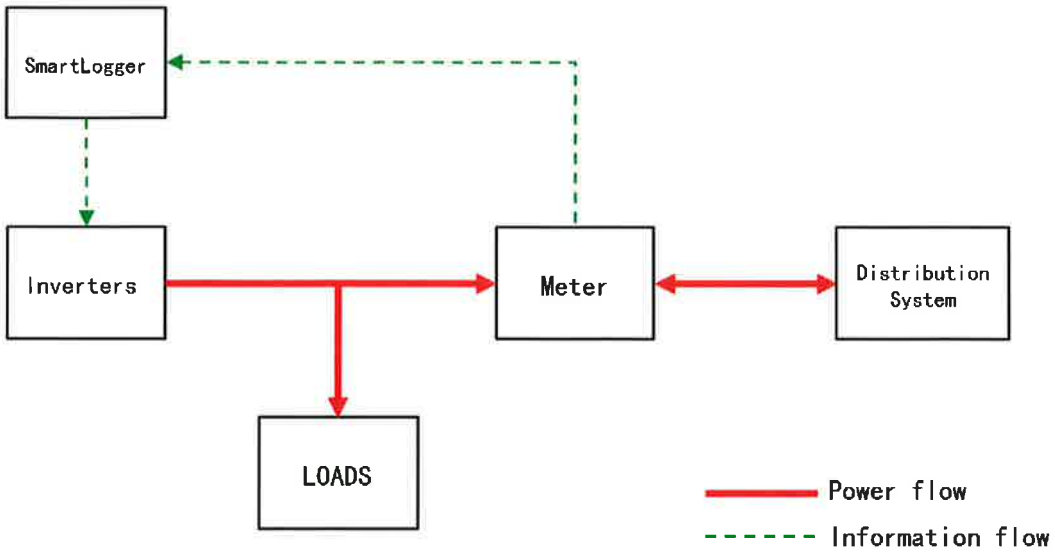


Figure 1.Control Scheme

4 Control Result



Figure 2.Control Result

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Signed: _____ Date: 05/11/20

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