

Indicator description for SUN2000 inverters



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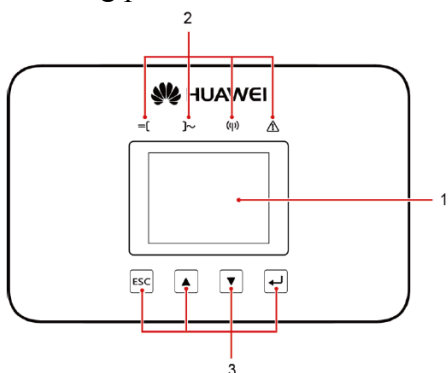
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This document describes the four indicators on the SUN2000 monitoring panel.

1. SUN2000 8-28KTL Inverter

Monitoring panel:







(1) LCD

(2) Indicators

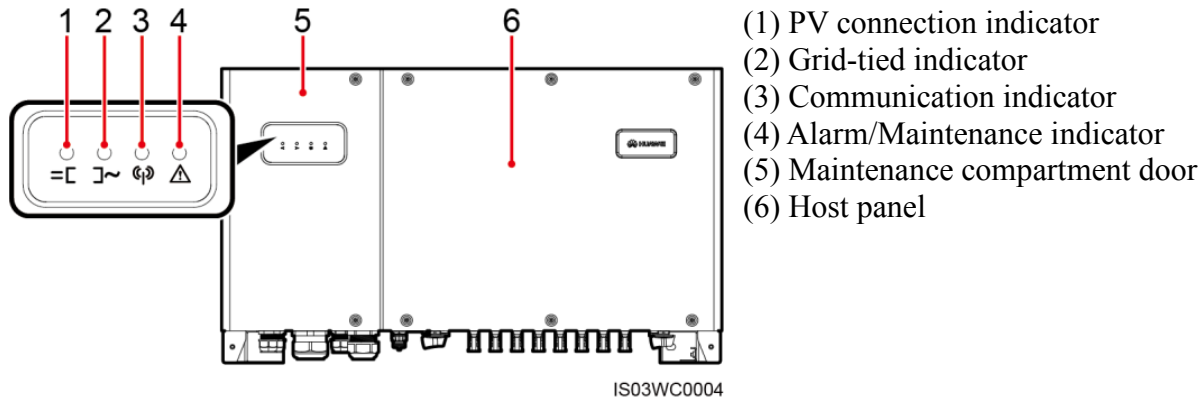
(3) Buttons

Indicator description:




Indicator	State	Meaning
PV connection indicator 	Steady green	The SUN2000 is properly connected to at least one PV string.
	Off	The SUN2000 is disconnected from all PV strings.
Grid-tie indicator 	Steady green	The SUN2000 is properly connected to the power grid.
	Off	The SUN2000 is disconnected from the power grid.
Indicator	State	Meaning
Communications indicator 	Blinking green fast (on for 0.5s and then off for 0.5s for three times at an interval of 10s)	The SUN2000 is communicating properly.
	Off	No communication is in progress or the communication is abnormal.
Alarm indicator 	Steady red	The SUN2000 generates a major alarm. For details, see 7.2.2 Viewing Alarm Records .
	Blinking red at short intervals (on for 0.5s and then off for 0.5s)	The SUN2000 generates a minor alarm. For details, see 7.2.2 Viewing Alarm Records .
	Blinking red at long intervals (on for 1s and then off for 4s)	The SUN2000 has generated a warning. For details, see 7.2.2 Viewing Alarm Records .


2. SUN2000 33KTL-A-105KTL

Front view:



LED indicator description (from left to right):

Indicator	Status	Meaning
PV connection indicator 	Green on	At least one PV string is properly connected, and the DC input voltage of the corresponding MPPT circuit is higher than or equal to 200 V.
	Green off	The SUN2000 disconnects from all PV strings, or the DC input voltage of each MPPT circuit is less than 200 V.
Grid-tied indicator 	Green on	The SUN2000 connects to the power grid.
	Green off	The SUN2000 does not connect to the power grid.
Communications indicator 	Blinking green at short intervals (on for 0.5s and then off for 0.5s)	The SUN2000 receives data over RS485/PLC/FE communication.
	Green off	The SUN2000 has not received data over RS485/PLC/FE communication for 10

Indicator	Status		Meaning
			seconds.
Alarm/Maintenance indicator 	Alarm status	Blinking red at long intervals (on for 1s and then off for 4s)	A warning alarm is generated.
		Blinking red at short intervals (on for 0.5s and then off for 0.5s)	A minor alarm is generated.
		Steady red	A major alarm is generated.
	Local maintenance status	Blinking green at long intervals (on for 1s and then off for 1s)	Local maintenance is in progress.
		Blinking green at short intervals (on for 0.125s and then off for 0.125s)	Local maintenance fails.
		Steady green	Local maintenance succeeds.

-Local maintenance refers to operations performed after a universal serial bus (USB) flash drive, Bluetooth module, or USB data cable is inserted into the USB port of the SUN2000. For example, local maintenance includes data import and export using a USB flash drive and connecting to the SUN2000 app over a Bluetooth module or USB data cable.

-If alarming and local maintenance happen concurrently, the alarm/maintenance indicator shows the local maintenance state first. After the USB flash drive, Bluetooth module, or USB data cable is removed, the indicator shows the alarm state.