HAVIS User Guide For LSC Remote Display

1. Features

- · Battery bank voltage display
- Output power display
- $\bullet \ \, \text{Error condition indicator} \ (\ \, \text{High Battery, Low Battery, Over Temperature, Over Load conditions} \)$
- Action condition indicator (INV, GRID, POWER SAVING, CHARGING STATUS)
- Connection failure notification

2. Specification

- Input Voltage: 10.5 ~ 66 Vdc
- Operating Temperature Range : 0 ~ 40 $^{\circ}\text{C}$
- Storage Temperature Range : 30 °C ~ 70 °C
- Stand-By Current Draw : < 80mA

3. Introduction

3-1. Front Panel Introduction

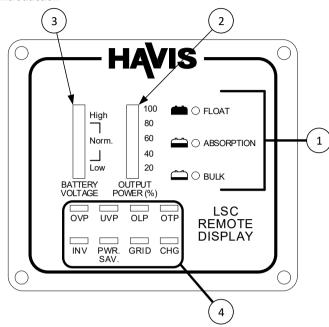


Figure 1. LSC Front Panel Introduction

1	Charging Status LED	4	Other Indicators
2	Output power indicator		
3	Battery voltage indicator		

① Charging Status LED (BULK / ABSORPTION / FLOAT) shows the charging status

- BULK: When the battery is in low voltage status, the battery is charged at constant current by maximum charge current.
- ABSORPTION : When the battery is near fully charged, the battery keeps charging by constant voltage mode.
- FLOAT: When the battery is fully charged, this state maintains the battery at 100% charge without overcharging or damaging the battery.

② Output power indicator:

Output power indicator shows the power draw from the power inverter by the load. Ideally, the output power indicator should remain in the green & orange area of the bar chart. If the output power indicator is up to the red area, the OLP LED will flash and the inverter will shut down.

3-2. Rear Panel Introduction

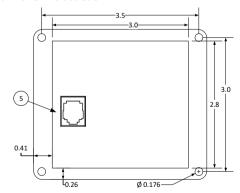


Figure 2. LSC Remote Rear Panel Introduction (Unit: mm [inch])

#8 (M5) Mounting hardware is not included. Sealing gasket is included.

⑤ Phone Jack Connector:

Before connection, please make sure to switch the inverter to REMOTE mode.
(Shown below)



③ Battery voltage indicator:

Battery voltage indicator will move up and down as the battery voltage changes. Ideally, the voltage should remain in the green area of the bar chart. If the voltage goes into the red area at the top and bottom of the bar chart, inverter may shut down.

4 Other Indicators:

- OVP (Over voltage protection indicator): It indicates that the power inverter shuts down because its input voltage is above limit voltage.
- UVP (Under voltage protection indicator) :

The under voltage indicator is to indicate the inverter shut down due to under voltage protection.

• OLP (Overload protection indicator) :

The overload indicator is to indicate the inverter shut down due to short circuit or overload protection.

• OTP (Over temperature protection indicator) :

The over temp indicator is to indicate the inverter shut down due to over temperature protection. Once the inverter cools down, the indicator will turn off automatically.

• INIV indicator

The INV. indicator is to indicate the inverter is ready.

• PWR. SAV. Indicator: Power saving functions are described below:

LED	Meaning	Inverter Output
Solid	Active	OFF
Off	Inactive	ON

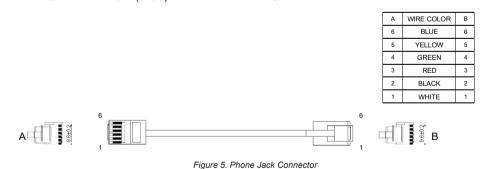
GRID indicator

The GRID indicator is to indicate the AC Grid is connected to inverter.

CHG indicator

The CHG indicator is to indicate the battery charging status.

2. Connect the RJ12 (6P6C) cable between the LSC remote and the inverter.



2



WARNING!

DO NOT use standard telephone cable, use a straight wired 6-pos cable.