

User Guide For CR-16 Remote Control

1. Features

- Battery bank voltage display
- Output power display
- Error condition indicator (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 – 66Vdc
- Operating Temperature Range : 0 – 40 °C
- Storage Temperature Range : - 30 °C - 70 °C
- Stand-By Current Draw : < 80mA
- Applicable Models : ASI series – 700 / 1000 / 1500 / 2000 / 3000 / 4000
ASL series – 2000 / 3000 (Future unit, TBA)

* Note Charging status only applicable to ASL series.

3. Introduction

3-1. Front Panel Introduction

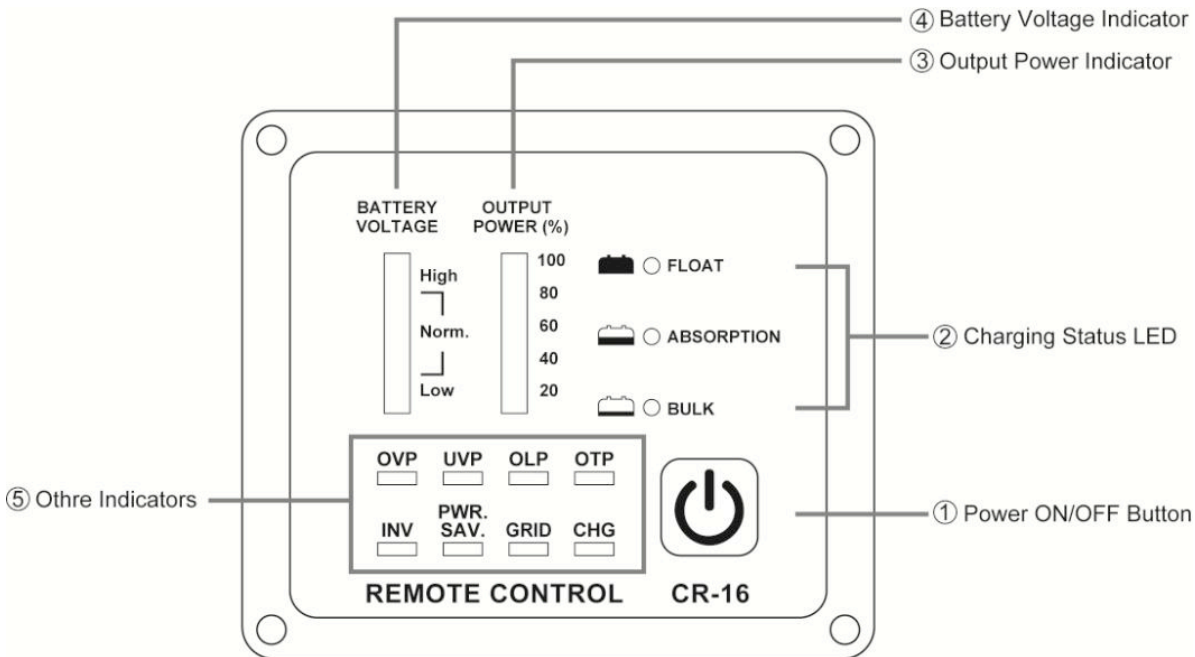


Fig.1 Front Introduction

① Power ON/OFF Button :

Power ON/OFF button is to turn the inverter on or off.

Buzzer Notification - One beep sound every time you switch on or off.

② Charging Status LED (BULK / ABSORPTION / FLOAT) shows the charging status: (Only applicable to ASL series)

- 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.
Please refer to the detail information in SL series user manual accordingly.

③ 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.

④ 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.

⑤ 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.
 - INV. indicator :
The INV. indicator is to indicate the inverter is ready.
 - PWR.SAV. Indicator : Power saving functions are described below :
- | LED | Definition | Inverter Output |
|-----|------------|-----------------|
| ON | Disable | ON |
| OFF | Active | OFF |
- 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 (Only applicable to ASL series).

3-2. Rear Panel Introduction

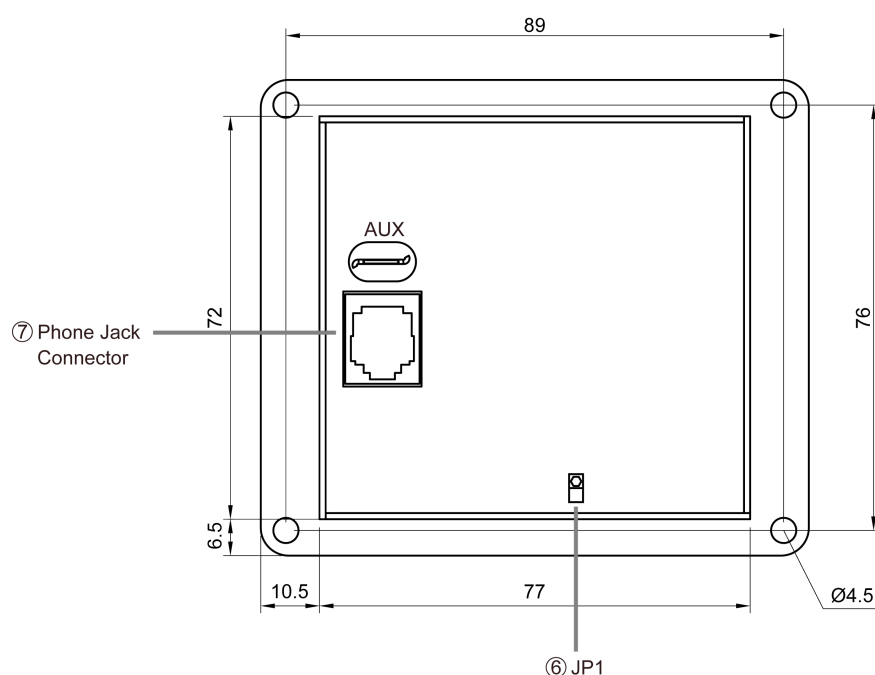


Fig.2 Rear Introduction

⑥ JP1 : The JP1 is to set either Return Override Function or Ignition lockout function.

- JP1 jumper “Short” - Return Override Function

Return Override Function – The Return Override Function is to turn the inverter ON when the auxiliary input wiring is connected to the reverse gear Shift, and 12 Volts is applied.

- JP1 jumper “Open” – Ignition Lockout Function

Ignition Lockout function – The ignition lockout function is to turn the inverter OFF when the auxiliary input wiring is connected to the ACC, and 12 Volts is applied.

- The connector which is connected to AUX power must use with 12V / 0.5A fuse.

Triggered signal	JP1	Inverter Status
AUX		
1	Open	OFF
0	Open	ON
1	Short	ON
0	Short	OFF

Note : default mode is Short.

⑦ Phone Jack Connector :

1. Before connection, please make sure to switch the inverter to REMO position. (For SP series) (Fig. 3)
2. Connect the RJ-11 cable between CR-16 remote and the inverter.

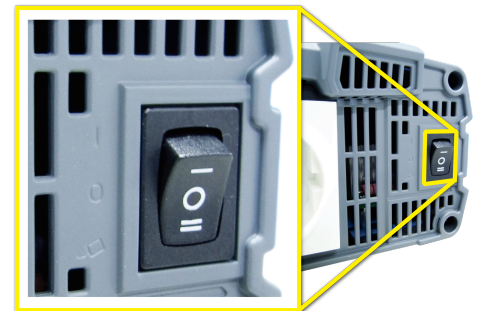


Fig.3 ASI series remote position

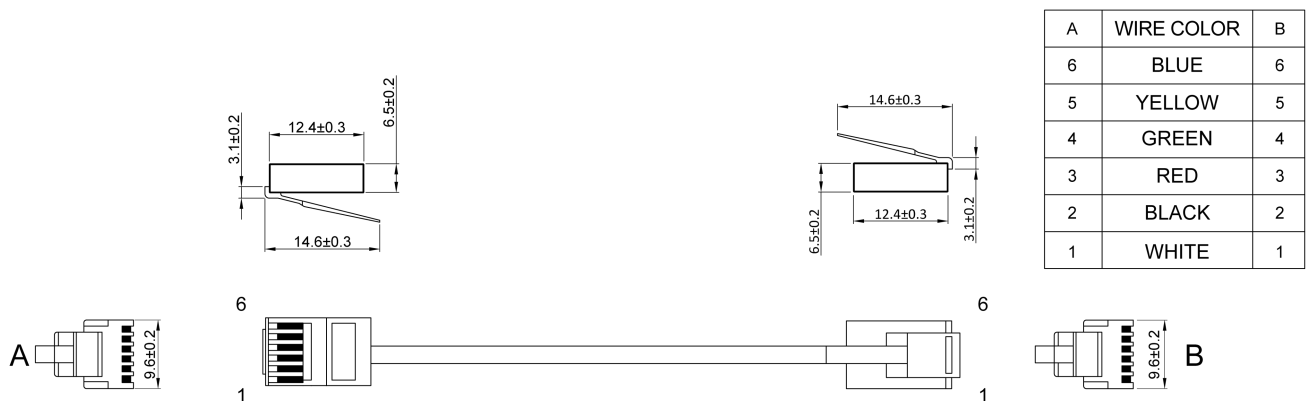


Fig.4 Phone Jack Connector



WARNING!

DO NOT use standard telephone cable.