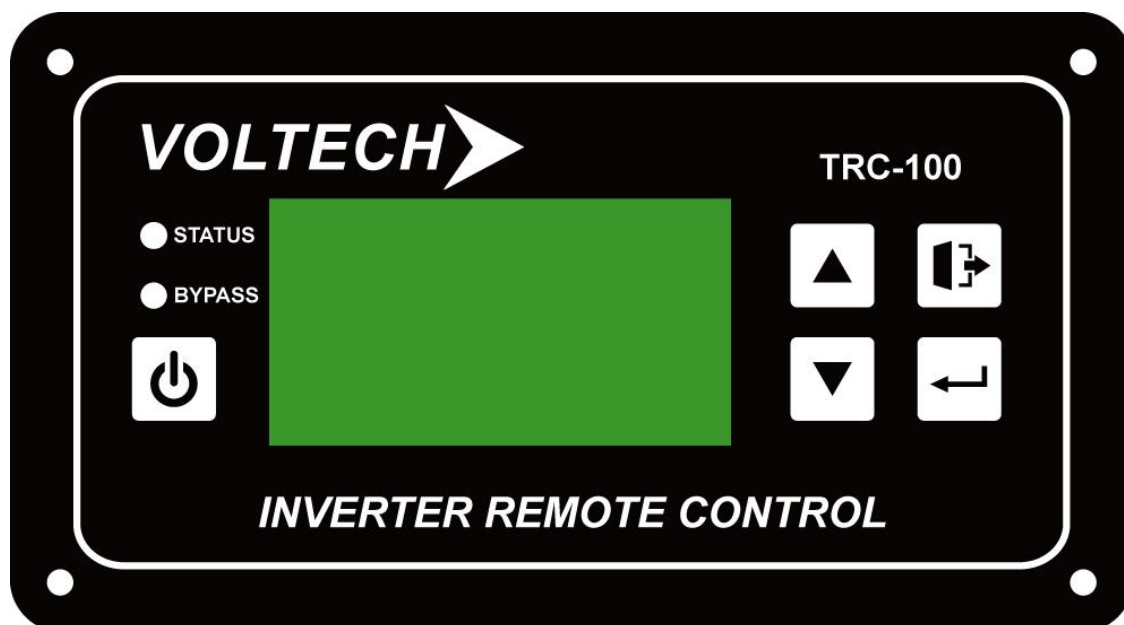# Inverter Remote Control



## LCD Remote Control User Manual

www.electroparts.com.au

## Save This Manual

Please read this manual carefully prior to storage, installation, wiring, operation and maintenance of remote control

This manual contains important instructions and warnings that you should follow during the storage, installation, wiring, operation and maintenance of remote control Failure to follow these instructions and warnings will void the warranty.

Please note that only qualified and trained technician can do installation, wiring, operation and maintenance of remote control.

# Contents

# Section 1: Safety Instruction

## 1-1 General Safety

Do not expose the power inverter to rain, snow, spray or dust.

To avoid the risk of fire and electric shock, make sure that the existing wiring is in good electrical condition, and the wire size is not undersized.

An over current protection at the time of installation shall be provided by others for the AC output circuit.

When working on the remote control, please remove watches, rings, or other metal objects. Use tools with insulated handles and wear rubber gloves and boots.

## 1-2 Other Safety

Upon receipt, examine the carton box for damage. If you have found any damage on the carton box please notify the company you purchased this power inverter from.

Do not operate near water or in excessive humidity.

Do not open or disassemble the remote control, and warranty may be voided.

Do not operate the remote control close to combustible gas or open fire.

Do not operate appliances that may feed power back into the remote control.

The remote control should be operated in an ambient temperature range of -20°C to 40°C otherwise the output efficiency may be affected.

# Section 2: Introduction

**2-1 LCD remote control Introduction**

**Before powers on LCD remote control please ensure inverter main dip switch stays in remote mode (dip switch S6 stay in 0 positions) and connect the remote port between inverter and LCD remote control with correct cable.**

*Dip switch S6 stay in 0 positions*
*Ensure the remote control*
*Can access inverter*

0   1

S1
S2
S3
S4
S5
S6
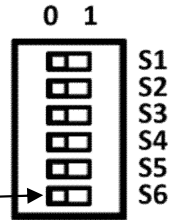
**Power switch stay in "REM" position**

**Ensure the Bluetooth can access inverter**

ON

OFF

REMOTE

The remote is designed to easily and quickly connect inverter. The LCD display is used for setting up the inverter, as well as displaying inverter current status or fault messages. Pressing buttons allows you to select a menu item or to save a setting, once it is displayed on the LCD screen.

**2-2 Functions and Features**

- Monitor inverter DC input.
- Setting inverter DC high /low voltage restart/cut off.
- Monitor inverter AC output.
- Adjust inverter AC output voltage/frequency.
- Monitor inverter heat sink temperature.
- Enable/disable power saving mode.
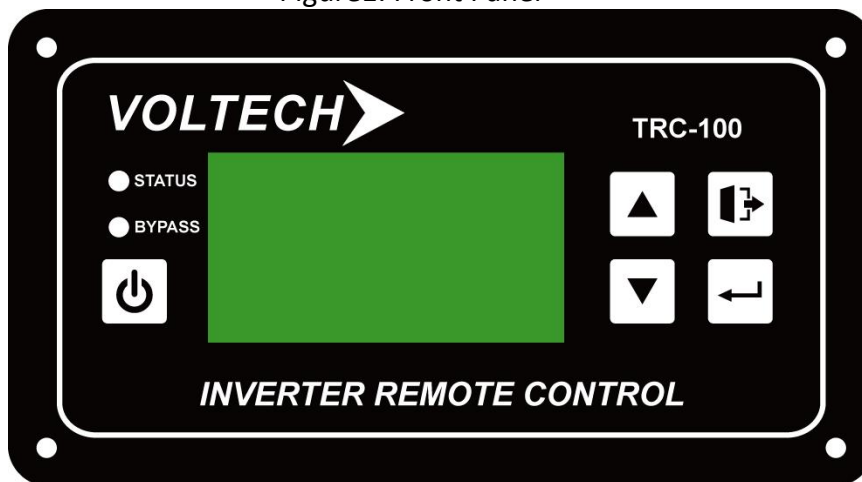- Enable/disable turbo mode.

# Section 3: Appearance and Mechanism

## 3-1 Appearance and Dimension (in MM)
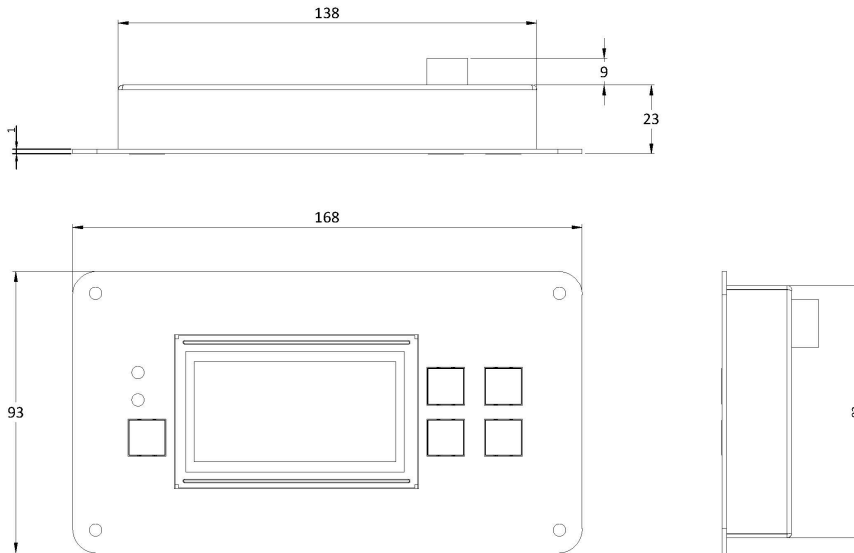


## 3-2 Front Panel

Figure1: Front Panel



## 3-3 LCD Remote Control Panel Selection Buttons

| I-CON | Description |
|---|---|
| ⏻ | Power on/ off |
| ▲ | Page Shift: Scroll up |
| ▼ | Page Shift: Scroll down |
| ▐▸  ↵ | Press these two buttons at the same time to enter setting mode |
| ▐▸ | Go back to previous page/ Leave current page |
| ↵ | Enter next page and save setting value |

# Section 4: System Display

**4-1 Systems Screen**

Press ⏻ for 3 seconds to turn on remote control. After you turn ON the remote control, the LCD will show status of the inverter. There are five pages and you can press「Page/Shift」button to change the page. Each page is as below figure:
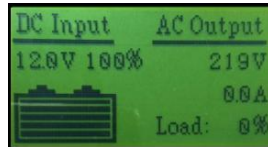

Figure 2: Main Screen

Figure 2: Main screen demonstrates not only the DC input Voltage and battery percentage but also the AC output voltage, current and load.
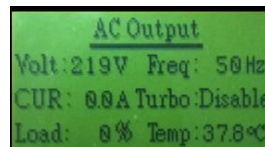

Figure 3: Second Screen (AC output information)

Figure 3: Second screen demonstrates the inverter AC voltage, AC current, load, AC frequency, turbo mode status and internal ambient temperature.
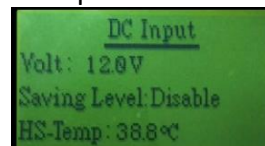

Figure 4: Third Screen (DC output information)

Figure 4: Third screen demonstrates the inverter DC voltage, power saving mode status, and heat sink temperature.
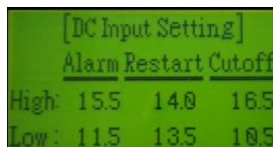

Figure 5: Fourth Screen (DC output information)

Figure 5: Fourth screen demonstrates the inverter default value of DC high/low alarm, restart and cutoff.
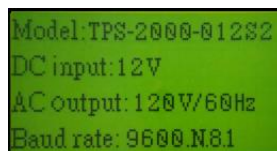

Figure 6: Fifth Screen (Inverter specification)

Figure 6: Fifth screen demonstrates the inverter specification and RS-232 communication information.

# Section 5: System Setting

**5-1 System set up Screen**

Press [⏩] and [↵] buttons at the same time to enter system setting mode (See 3-3 LCD Remote Control Panel Selection Buttons).

If successfully enter into system setting mode and disable inverter dip switch S6 will show below figure7. If you enable inverter dip switch S6, the screen will show item 2: set DC input only and item 1 and item 3 will disappear.
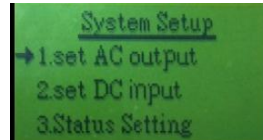


Figure 7: System setting Screen

Figure 7 demonstrates the system setup of AC output, DC output and Status setting. Press [▲] or

[▼] button to move the arrow to the setup item you want to select. After arrow moves to the

setup item you want and press the [↵] button, then you will enter into the setting mode. If you

don't change default value and press [⏩] button then you will leave the setting mode and go to the system setting screen (see figure 7).

**5-2 Output setting mode Screen**

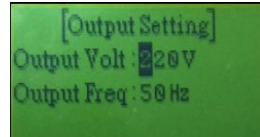If you enter into Set AC output mode, you will see below figure.



Figure 8: AC output setting Screen

Figure 8 demonstrates the AC output setting of voltage and frequency. The cursor is indicated by a

black background with white character. Press the [↵] button to move the cursor. The cursor will

automatic loop if you keep pressing [↵] button. To set up the value in which cursor is, press the

[▲] or [▼] button to change the value.

If you want to leave setting mode, please press [⏩] button then you will leave the setting mode and system will automatic check any value is changed. If no value is changed, the screen will go back to the system setting screen (see figure 7). If value is changed, the system will automatic check the changing value is correct or incorrect. If the changed value is incorrect, the system will show error on the upper left of screen (see below figure 9).



Figure 9: Error Screen

If the changed value is correct, the system will show confirmation screen (see below figure 10)
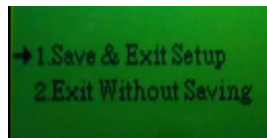
Figure 10: Confirmation Screen

If you want to save, move the arrow to 1 and press ↵ .

If you don't want to save, move the arrow to 2 and press ↵

**5-3 DC input setting mode Screen**
If you enter into Set DC input mode, you will see below figure.


Figure 11: DC input setting Screen

Figure 11 demonstrates the DC input setting value of alarm, restart and cutoff. The cursor is indicated by a black background with white character. In DC input setting mode is available for adjusting restart value and cutoff value but alarm is not available for adjusting. Press the ↵ button to move the cursor. The cursor will automatic loop if you keep pressing ↵ button. To set up the value in which cursor is, press the ▲ or ▼ button to change the value. If the value you set up is not in the range, the system will show error on the upper left of screen (see below figure 12).


Figure 12: Error Screen

If you want to leave setting mode, please press ⏏ button then you will leave the setting mode and system will automatic check any value is changed. If no value is changed, the screen will go back to system setting screen (see figure 7). If value is changed, the system will check the changing value is correct or incorrect. If the changed value is incorrect, the system will show error on the upper left of screen (see below figure 13).
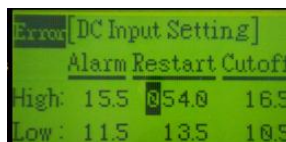

Figure 13: Error Screen

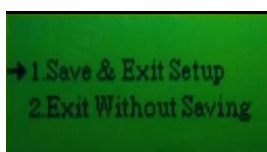If the changed value is correct, the system will show confirmation screen (see below figure 14).


Figure 14: Confirmation Screen

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If you want to save, move the arrow to 1 and press ↵ .

If you don't want to save, move the arrow to 2 and press ↵ .

**5-4 Status setting mode Screen**
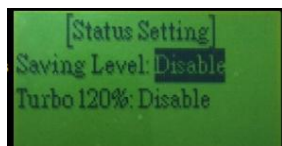If you enter into status setting mode, you will see below figure.


Figure 15: Status setting Screen

Figure 15 demonstrates the status setting of power saving mode and turbo mode. The cursor is indicated by a black background with white character. Press the ↵ button to move the cursor. The cursor will automatic loop if you keep pressing ↵ button. To set up the value in which cursor is, press the ▲ or ▼ button to enable or disable.

If you want to leave setting mode, press ▐→ button then you will leave the setting mode and system will automatic check any value is changed. If no value is changed, the screen will go back to system setting screen (see figure 7).
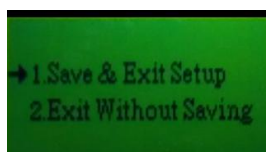If the changed value is correct, the system will show confirmation screen (see below figure 16)


Figure 16: Confirmation Screen

If you want to save, move the arrow to 1 and press ↵ .

If you don't want to save, move the arrow to 2 and press ↵

# Section 6: Maintenance

When cleaning the case or front panel, use a soft and dry cloth only. If the case or front panel is very dirty, use a neutral, non-abrasive detergent. Do not use alcohol or ammonia based solutions.

Regular service and relocation of the power inverter should be performed by a qualified service technician. Avoid spilling liquid on the remote control panel.

# Section 7: Warranty

We guarantee this remote control panel against defects in materials and workmanship for a period of 24 months from the date of purchase. In case you need to repair or replace any defective power inverter, please contact local distributor.

This warranty will be considered void if the remote control has been misused, altered, or accidentally damaged. Seller is not liable for anything that occurs as a result of the user's fault.