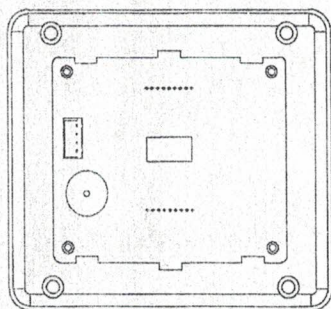


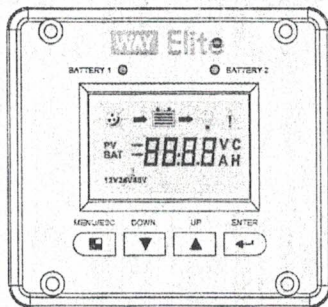
User Guide

Specification and operation instruction RD-01

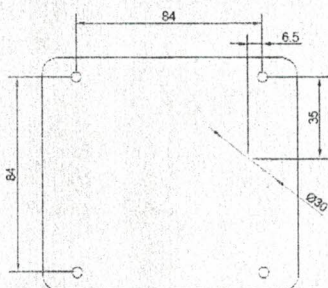
1. Drawing:



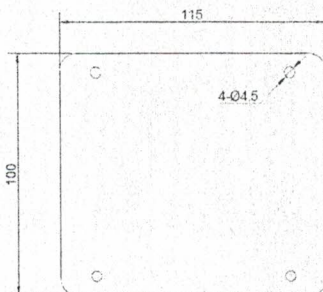
Back view



Front view

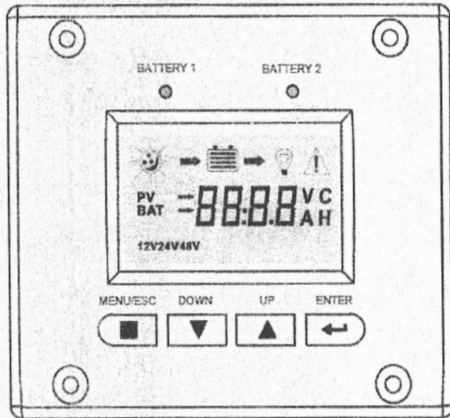


Wall excavation



Dimensions

2. Touch control LCD display:







2.1 LED indicator:

Charging status LED: When charging, indicator is flickering

- BAT1 indicator is on (green light), means BAT1 (battery 1) connection is correct, LED screen displays operation parameters and setting for BAT1.
- BAT 1 indicator is flickering, means BAT1 is under charging.
- BAT2 indicator is on (green light), means BAT2 (battery 2) connection is correct, LED screen displays operation parameters and setting for BAT2.
- BAT 2 indicator is flickering, means BAT1 is under charging.

2.2 Touch button:

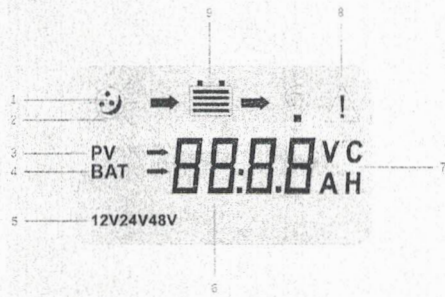
-  : Parameter setting
-  /  : Parameter select
-  : Save the selected parameters, and automatically return to the main interface after saving.
Enter the parameter setting by pressing the key

2.3 Parameter of BAT1 and BAT2:

- Parameter of BAT1 and BAT2 will be automatically displayed on LCD screen in turn.
- Automatic display sequence: (each parameter is displayed in order of 20s)
Battery voltage (BAT1) → Charging current (BAT1) → charging voltage (BAT1) → Battery voltage (BAT2) → Charging current (BAT2) → charging voltage (BAT2) → BAT1.....→.....BAT2.....→
BAT1.....BAT2.....→.....
- Manual switch for parameter display is also possible by push UP/DOWN button.



Remote monitor for MPPT Duo-battery charge controller

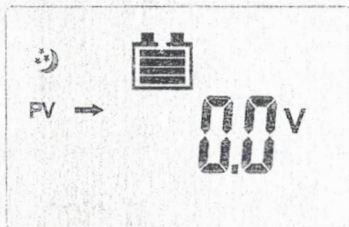
3. LCD content



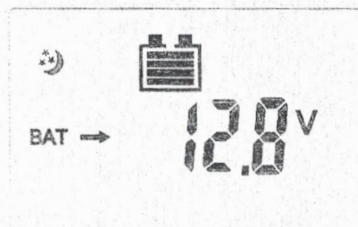
- ① **Night icon:** When the controller detects that the solar input voltage is less than the light control identification point, this icon will be lit.
- ② **Daytime icon:** When the controller detects that the solar input voltage is greater than the light control identification point, this icon will be lit.
- ③ **PV:** This icon will be lit when the parameter of solar panel is displayed. For example, the voltage of a solar panel.
- ④ **BAT:** this icon will be lit when battery related parameters are displayed. Such as the voltage of the battery, the temperature of the battery.
- ⑤ **12V/24V (System voltage):** when different system voltage is displayed, the controller will automatically adjust the corresponding technical data.
- ⑥ Numerical display area.
- ⑦ Unit symbol of a numeric value.
- ⑧ Alarm symbol.
- ⑨ **Battery capacity icon:** At different power, lights up different amount of capacity bar.

Operating instructions

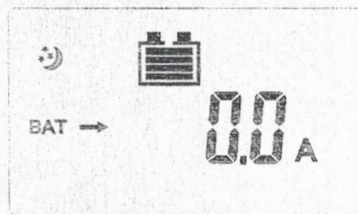
Touching  ,  Switch displays various values in solar panel voltage, electric pool voltage, charging current and controller temperature.



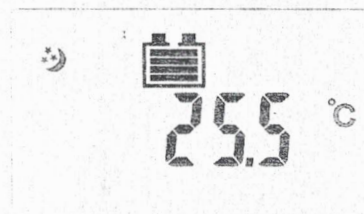
Solar panel voltage




Pool voltage



Battery charging current






Controller temperature

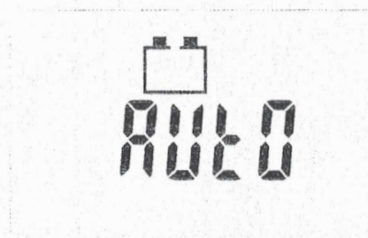
Long press the key  on the main interface, and the buzzer will enter the setting state with a long sound.

1) System voltage selection





This parameter is mainly used to meet the customer's demand for wide range of battery voltage, the system voltage will be selected automatically at default setting "AUTO" (12V / 24V),

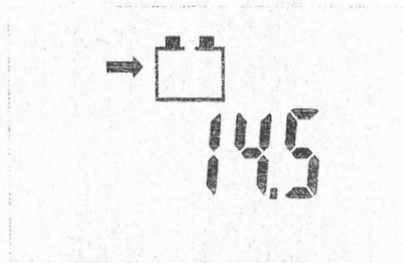
Press  to select,

 ,  Select 12V / 24V to lock.







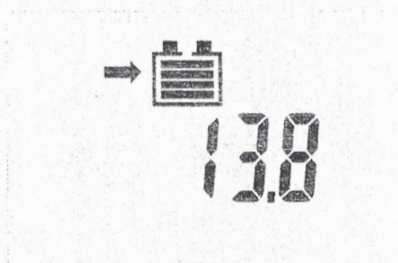
2).Balanced charging Settings

Press  to select,
 ,  to adjust,
Press  to determine.







3).Floating Settings

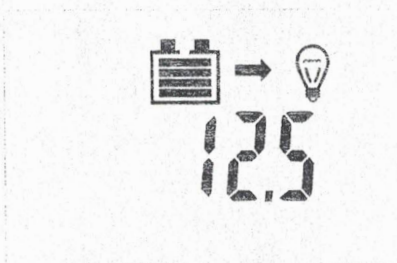
Press  to select,
 ,  to adjust,
Press  to determine.







4).Load Recovery Supply Voltage (LVR)

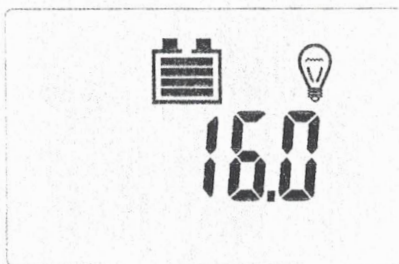
The voltage at which the battery supply is restored after battery under voltage.

Press  to select,
 ,  to adjust,
Press  to determine.







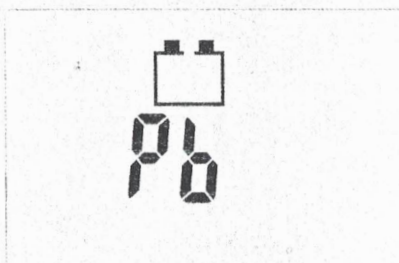
5).Battery over voltage protection (OVD)

Press  to select,
 ,  to adjust,
Press  to determine.



6).The battery type

Press  to select,
 ,  to adjust,
Press  to determine.



* Fault code

E 0	Trouble-free
E 01	Automatic error identification
E 02	Battery over discharge protection
E 03	Fan fault
E 04	Over temperature protection
E 05	DC Output short circuit protection
E 06	Internal temperature 1, no internal temperature sensor detected
E 07	Internal temperature 2
E 08	External temperature, no external temperature sensor detected
E 09	Battery over-voltage

