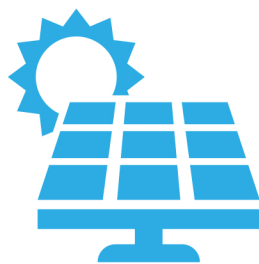




OPERATION MANUAL

SOLAR SMART FUNCTION

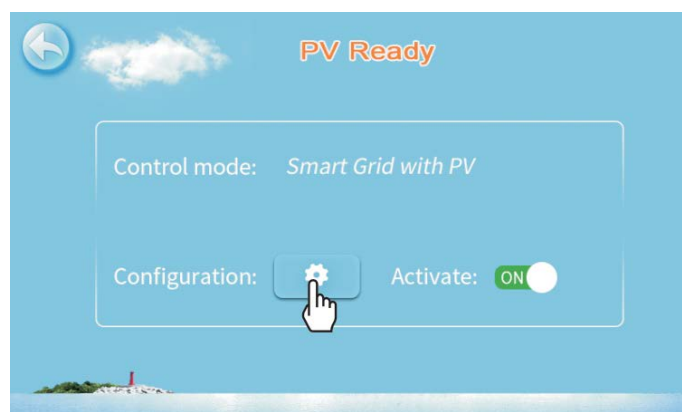
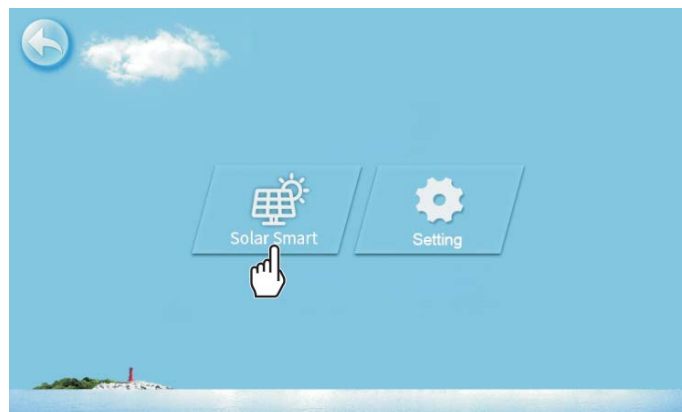
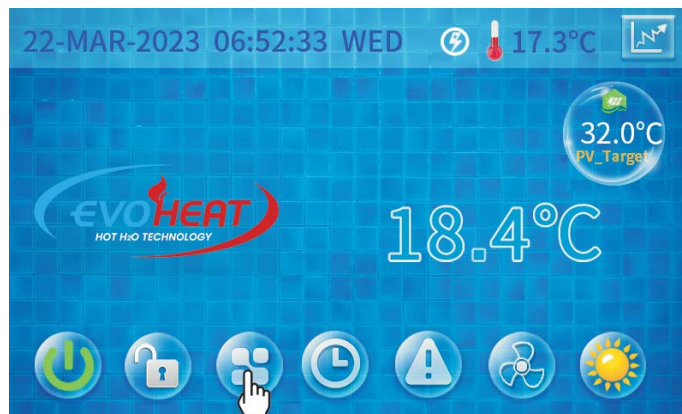


This operation manual provides comprehensive guidelines for integrating and operating the Solar PV-ready function. It includes instructions for setting up the system, configuring parameters, and utilising various control modes to maximise energy efficiency.

The parameter for PV-Ready function is EM02, the password is 22/66.

EM02 = 0	Disables the PV-ready function
EM02 = 1	Enables the PV-ready function (single contact)
EM02 = 2	Enables the PV-ready function (double contact)

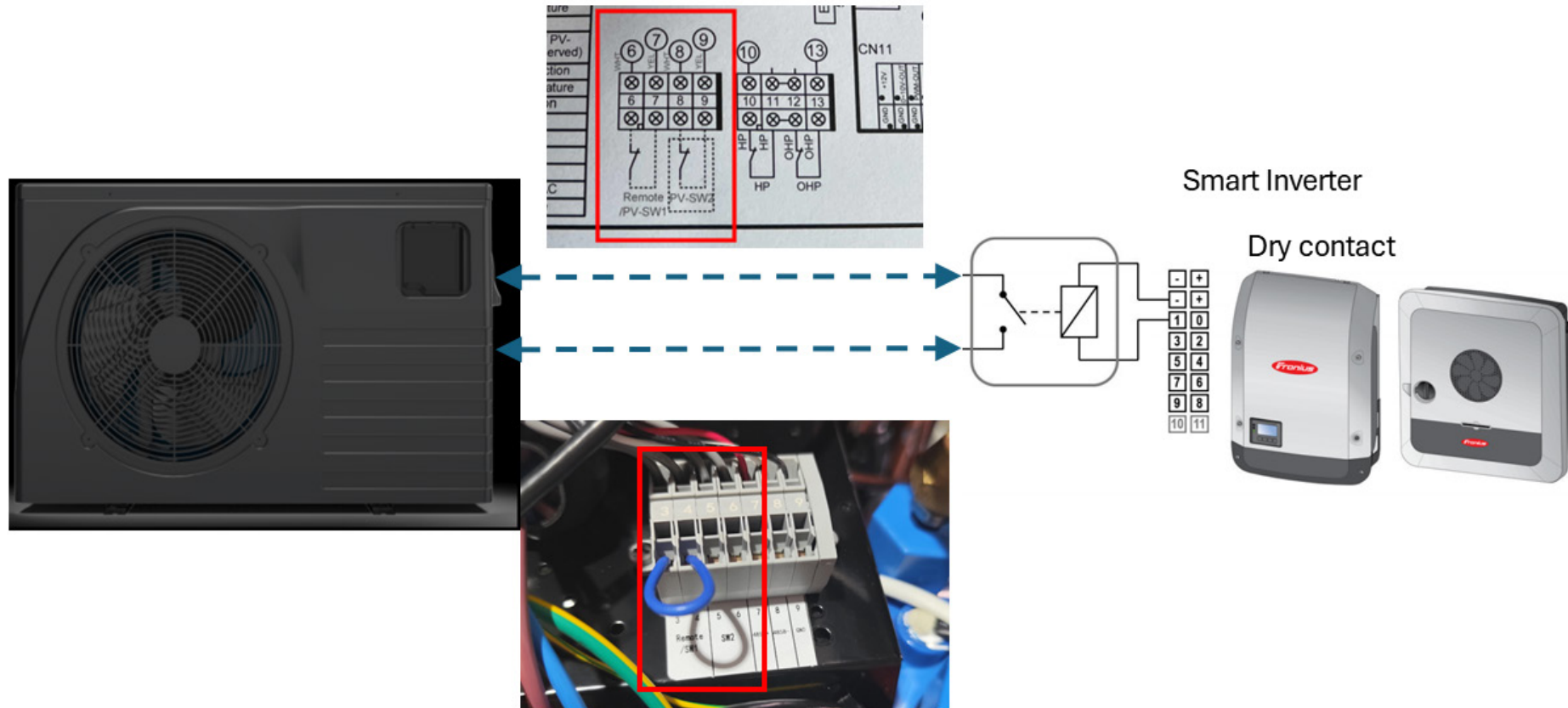
To activate the PV Ready function, start by tapping the screen to access the main menu. Select "Function" and then choose "Solar Smart." In the Solar Smart menu, select the control mode and configuration settings. Ensure the activation switch is turned on. Green highlighting indicates the function is activated, while grey indicates deactivation.



SWIM EVERYDAY WITH EVOHEAT

PV-ready

Connection



SWIM EVERYDAY WITH EVOHEAT



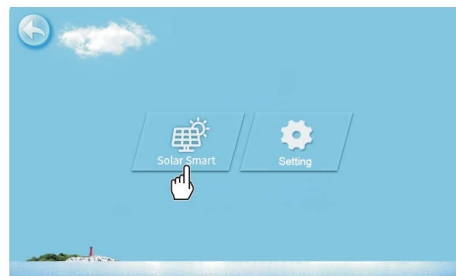
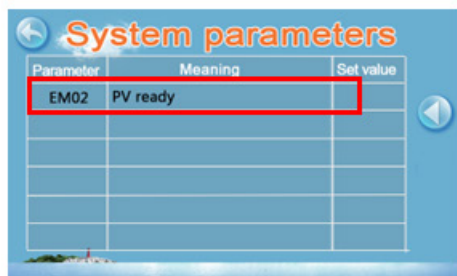
info@evoheat.com.au



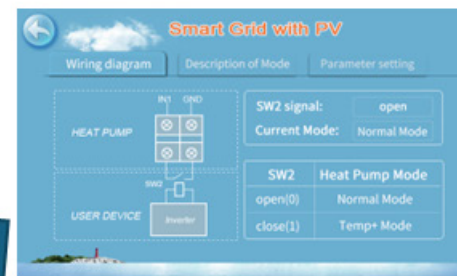
1300 859 933



www.evoheat.com.au



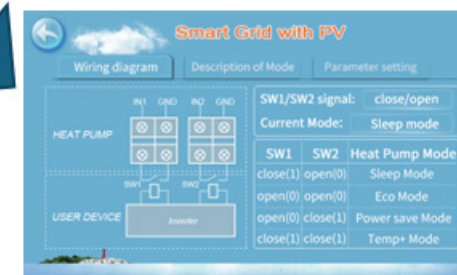
Single contact



SW2:
Mode switch



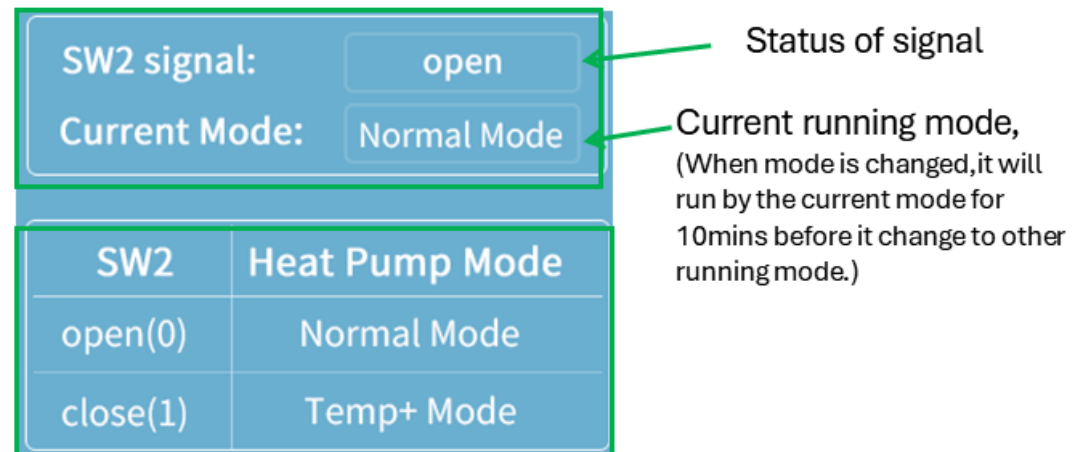
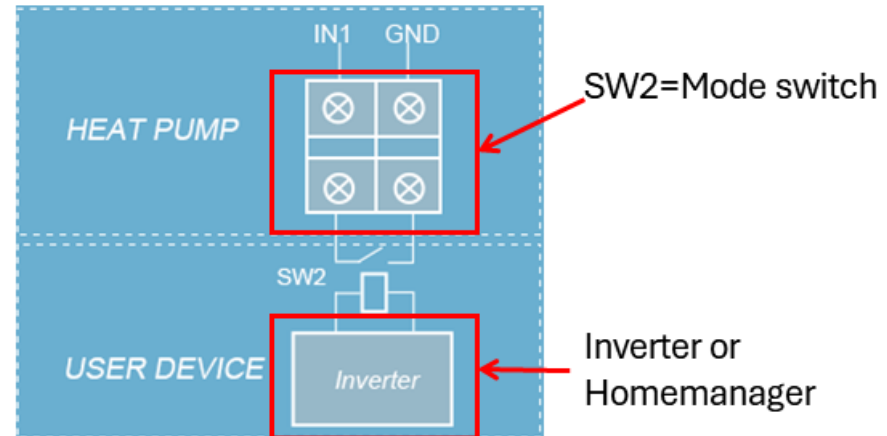
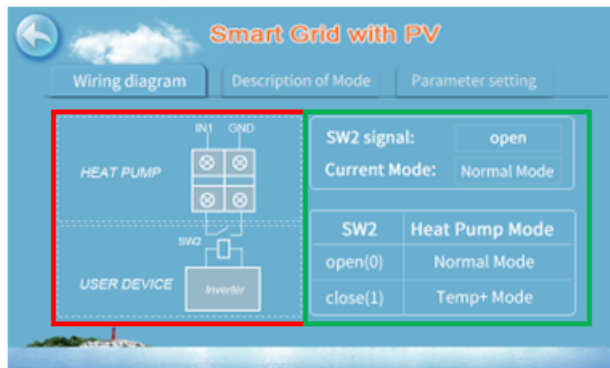
Double contact



SW1:
Remote on/off switch
SW2:
Mode switch

PV-ready control

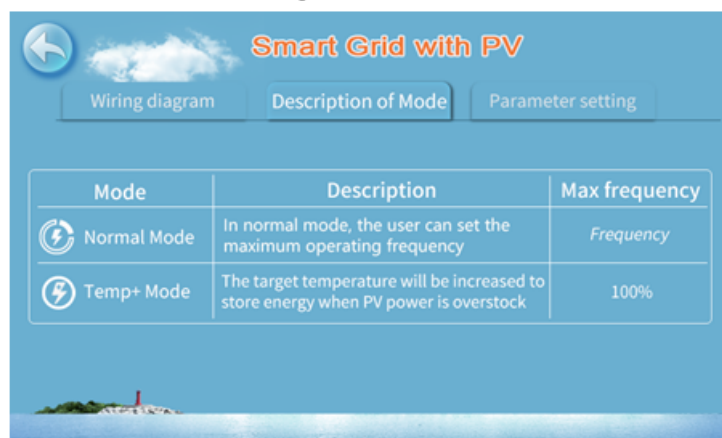
Single contact



PV-ready control

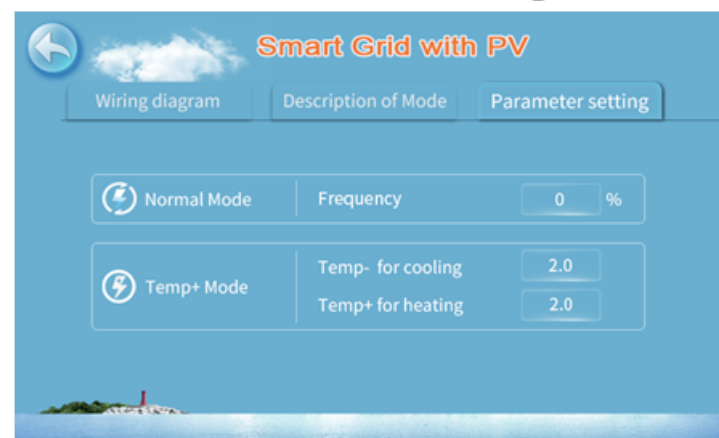
Single contact

Description of mode



Smart Grid with PV		
Wiring diagram Description of Mode Parameter setting		
Mode	Description	Max frequency
 Normal Mode	In normal mode, the user can set the maximum operating frequency	Frequency
 Temp+ Mode	The target temperature will be increased to store energy when PV power is overstock	100%

Parameter setting



Smart Grid with PV		
Wiring diagram Description of Mode Parameter setting		
 Normal Mode	Frequency	0 %
 Temp+ Mode	Temp- for cooling	2.0
	Temp+ for heating	2.0

1.Normal mode:

Set the max frequency according to the situation of the PV-ready system.

If set at 0% the unit will be turned off; SW2 open)

2.Temp+mode:

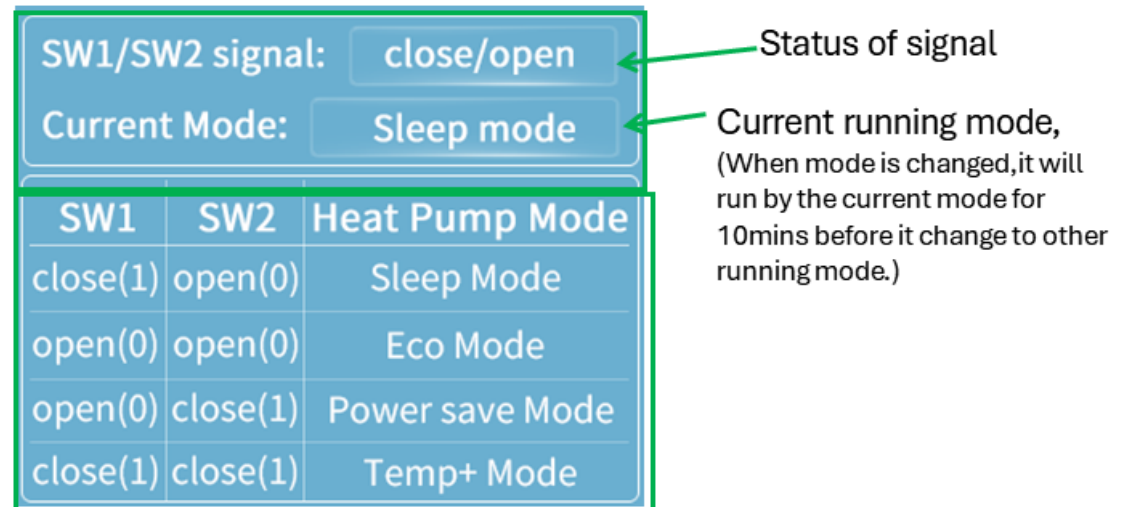
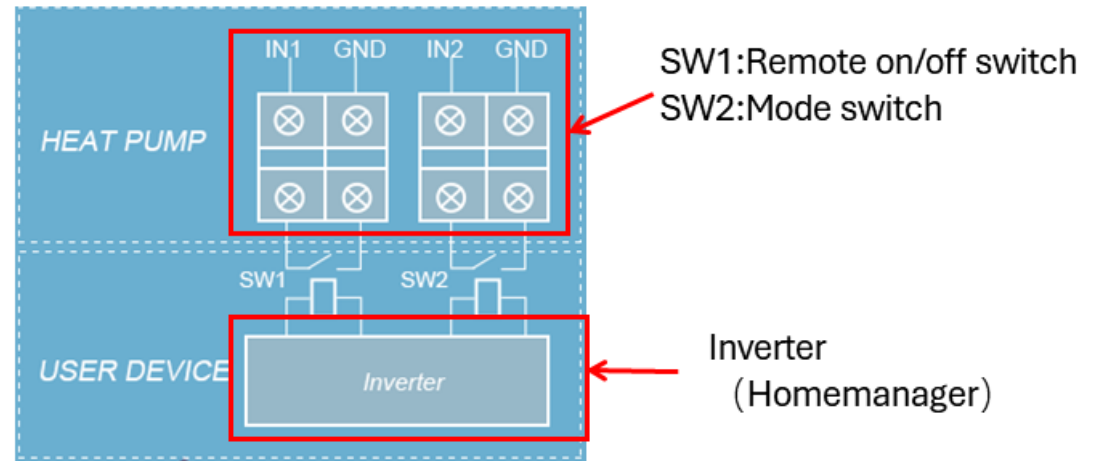
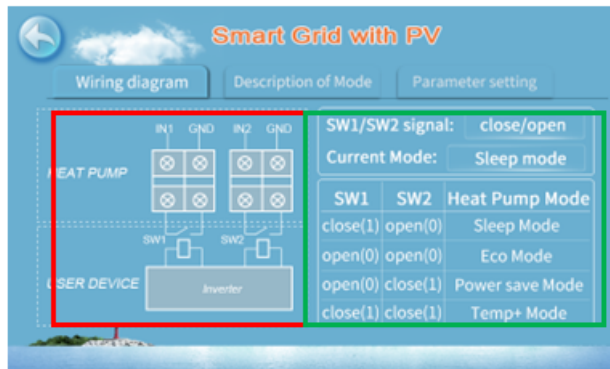
Set a temperature return difference for the original target temp in heating mode or cooling mode.

Make use of the excess energy from the PV system; SW2 close)

Maximum PV target temp ≤R11 (Heating / Minimum PV target temp ≥R08 Cooling)

PV-ready control

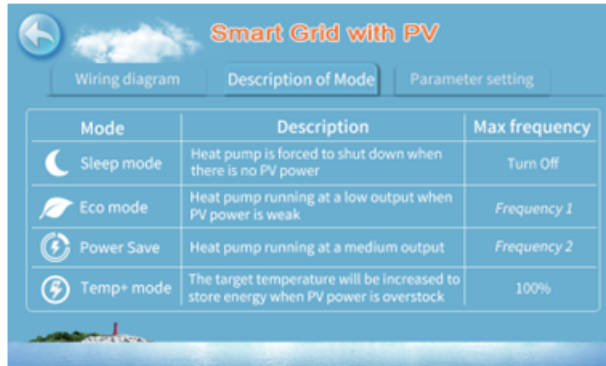
Double contact



PV-ready control

Double contact

Description of mode



Mode	Description	Max frequency
 Sleep mode	Heat pump is forced to shut down when there is no PV power	Turn Off
 Eco mode	Heat pump running at a low output when PV power is weak	Frequency 1
 Power Save	Heat pump running at a medium output	Frequency 2
 Temp+ mode	The target temperature will be increased to store energy when PV power is overstock	100%



Parameter setting



Sleep Mode	The heat pump is forced to shut down	
Eco Mode	Max frequency 1	50 %
Power Save Mode	Max frequency 2	75 %
Temp+ Mode	Temp- for cooling	3 °C
	Temp+ for heating	3 °C

1.Sleep mode:

Turn off the unit (SW1 close , SW2 open and the Anti-freeze protection in winter still available)

2.ECO mode

Set a low frequency for the situation when the PV is weak; (SW1 open , SW2 open)

3.Power save mode

The customer can set a medium frequency for the situation when the PV is not strong enough; (SW1 open , SW2 open)

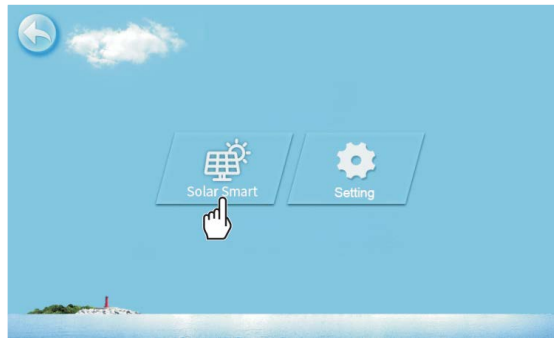
4.Temp+mode

Set a temperature return difference for the original target temp in heating mode or cooling mode, to make useful of the excess energy from the PV system; (SW1 close , SW2 close)

Maximum PV target temp ≤R11 (Heating) / Minimum PV target temperature ≥R08 (Cooling).

PV-ready control

Spot time



Function:

- 6 timers settings available each day;
- Set different target temperature;
- Set different frequency according to local grid spot price

