

Instructions for setting up a new

REFU*sol* 20K-2T, REFU*sol* 33K-2T & REFU*sol* 50K-3T

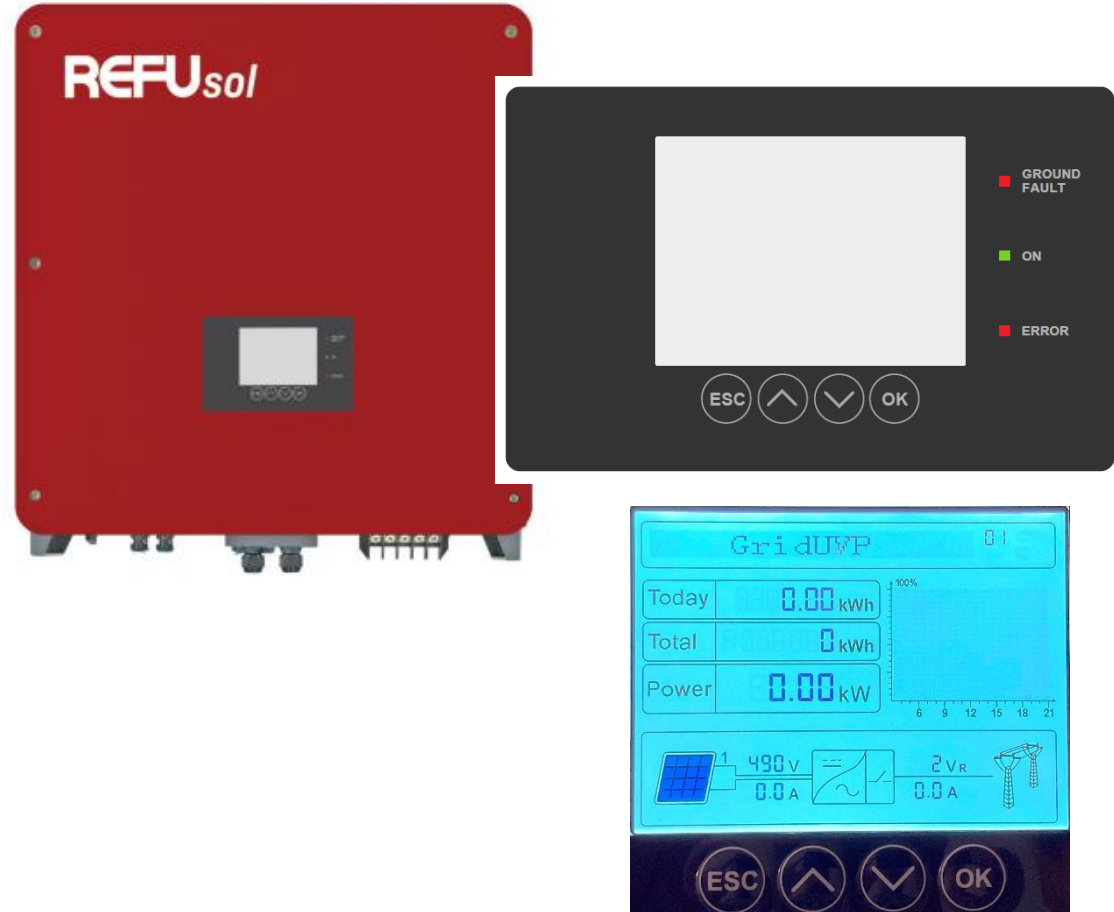


General

Before the commissioning of an inverter, the following parameters need to be set:

- ✓ Date
- ✓ Time
- ✓ Country Code


This is done through the display and following specific steps.



Setting Date and Time

In order to set date and time, you need to navigate to menu “Enter Setting” and sub menu “1. Set Time”

1. Press ESC button in order to go to Menu “1. Enter Setting”
2. Press OK
3. Using navigation arrows go to “1. Set Time”
4. Press OK
5. The following fields will show consecutively: year, month, date, hour, minute, seconds
6. At each field and by using OK button and navigation arrows you can set up date and time

Normal	
	1. Enter Setting 
	2. Event List
	3. System Info
	4. System Time
	5. Software Update

Example: Set date 04 February 2021 and time 12:45:20

Year: Up arrow 2 times → 2 → OK → Up arrow 1 time → 1 → year 21 appears → OK

Month: 0 → OK → Up arrow 2 times → 2 → month 02 appears → OK


Day: 0 → OK → Up arrow 4 times → 4 → day 04 appears → OK

Hour: Up arrow 12 times → 12 → OK → hour appears → OK

Minute: Up arrow 45 times → 45 → OK → minutes appear → OK

Seconds: Up arrow 20 times → 20 → OK → seconds appear → OK

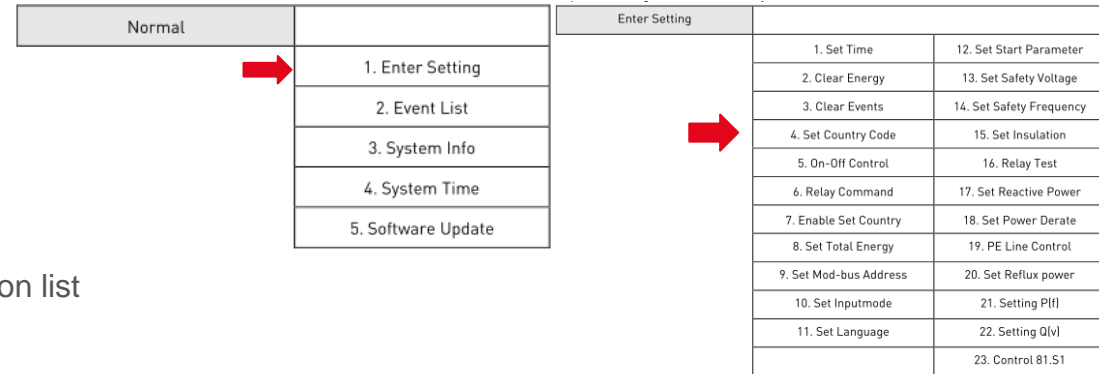
Message success appears

Enter Setting		
	1. Set Time 	12. Set Start Parameter
	2. Clear Energy	13. Set Safety Voltage
	3. Clear Events	14. Set Safety Frequency
	4. Set Country Code	15. Set Insulation
	5. On-Off Control	16. Relay Test
	6. Relay Command	17. Set Reactive Power
	7. Enable Set Country	18. Set Power Derate
	8. Set Total Energy	19. PE Line Control
	9. Set Mod-bus Address	20. Set Reflux power
	10. Set Inputmode	21. Setting P(f)
	11. Set Language	22. Setting Q(v)
		23. Control 81.S1

Setting Country code

In order to set country code, you need to navigate to menu “Enter Setting” and sub menu “4. Set Country”

1. Press ESC button in order to go to Menu “1. Enter Setting”
2. Press OK
3. Using navigation arrows go to “4. Set Country”
4. Press OK
5. You will be asked to confirm again by pressing OK to “Set Country ?”
6. A field with 3 *** appears and you need to add the country code based on list



Example: for Germany VDE AR-N4105:

Up arrow → 0 → OK → Up arrow → 0 → OK → Up arrow → 0 → OK

Code 000 is created → press OK → message “success” appears

Example: for Germany BDEW:

Up arrow → 0 → OK → Up arrow 1 time → 1 → OK → Up arrow 3 times → 3 → OK

Code 013 is created → press OK → message “success” appears

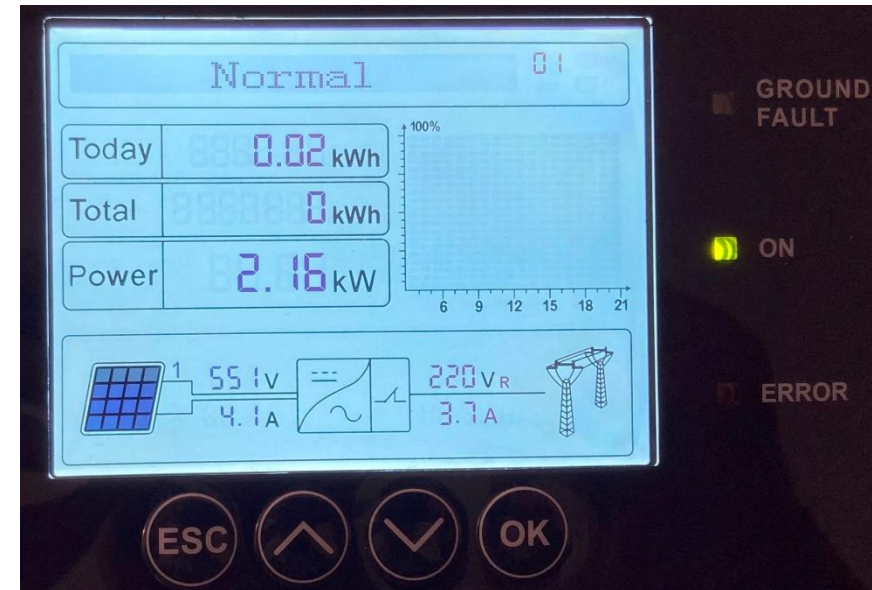
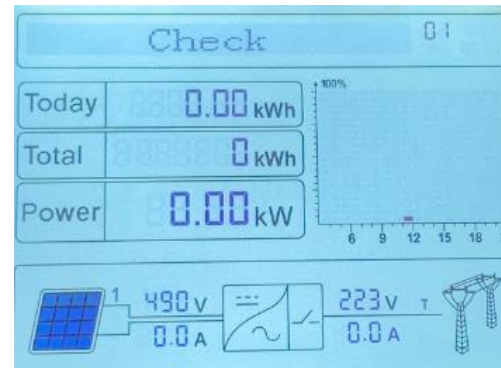
Code	Country	Code	Country	Code	Country
00	Germany VDE AR-N4105	12	Poland	24	Cyprus
01	CEI 0-21 Italy	13	Germany BDEW	25	India
02	Australia	14	Germany VDE 0126	26	Philippines
03	Spain RD1699	15	Italy CEI 0-16	27	New Zealand
04	Turkey	16	UK-G83	28	Brazil (380V)
05	Denmark	17	Greece island	29	Slovakia VSD
06	Greece Continent	18	EU EN50438	30	Slovakia SSE
07	Netherland	19	IEC EN61727	31	Slovakia ZSD
08	Belgium	20	Korea	32	CEI0-21 In Areti
09	UK-G59	21	Sweden	33	Ukraine
10	China	22	Europe General	34	Brazil (208, 220V)
11	France	23	Customer VDE0126	38	Wide Range 60 Hz

Inverter under operation

After setup is completed, inverter will go into activation mode.

At the display message “Check” appears and countdown until connection.

Once inverter goes into successful operation the message “Normal” appears.



Inverter's information

At the stick at the right side of inverter you can find inverter's characteristics and the Activation Code for portal REFUlog (www.refu-log.com), its' serial number and firmware version.

Example:

- Activation Code: 7CBDF11FF11-6BFC-SL1ES033L3L958
- Seral Number: SL1ES033L3L958
- Firmware (Software): V2.20

