

## Set running parameters for SUN2000L inverter



**Huawei Technologies Co. Ltd.**

Version	Created by	Date	Remarks
01	Huawei e84081311	20.12.2018	SUN2000L

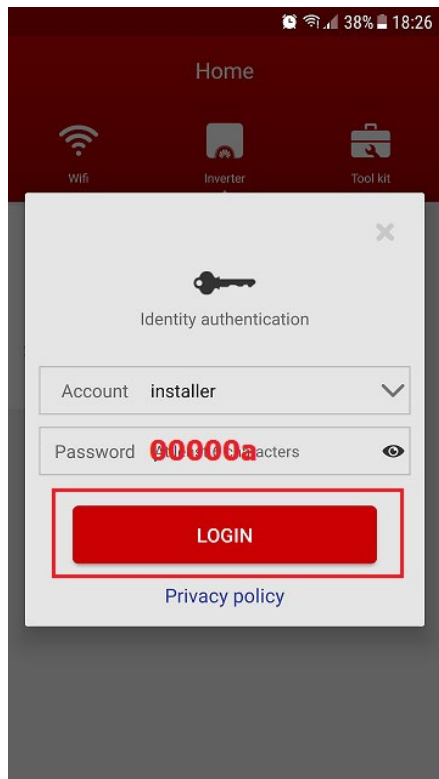
The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

This document describes how to set the grid code and protection parameters. The protection parameters of inverters are different accordingly with the grid code. If you want to change some protection parameters you need the permission from the grid operator.

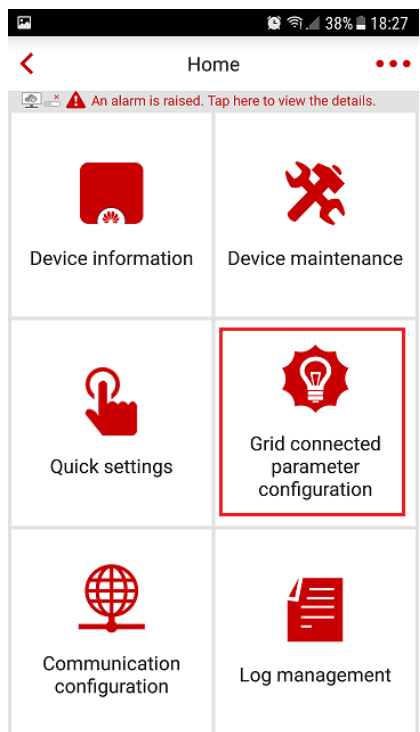
## Procedure:

### 1. Set the running parameters with FusionHome APP

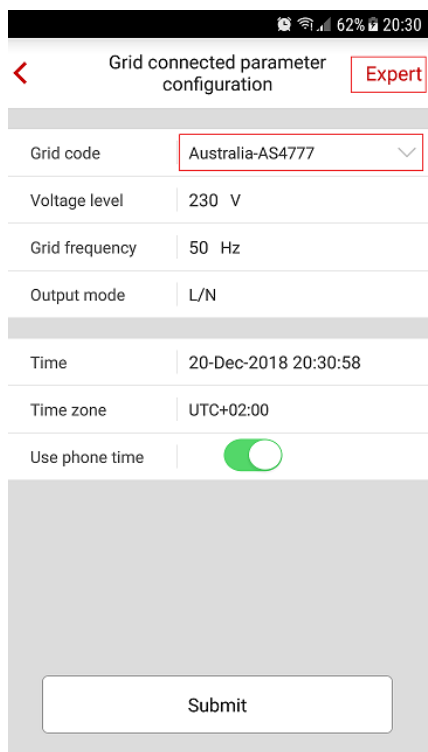
Login on SUN2000L as installer with the default password “00000a”:



Choose from “Home” menu “Grid connected parameter configuration”:

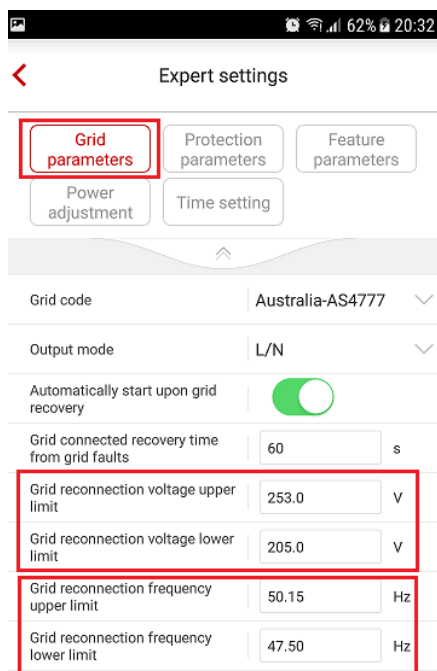


Check if the grid code is set accordingly and choose “Expert”:



If the inverter do not connect on the grid and the status is “Idle: detection irradiation” than the grid parameters is not meat and you can modify like below:

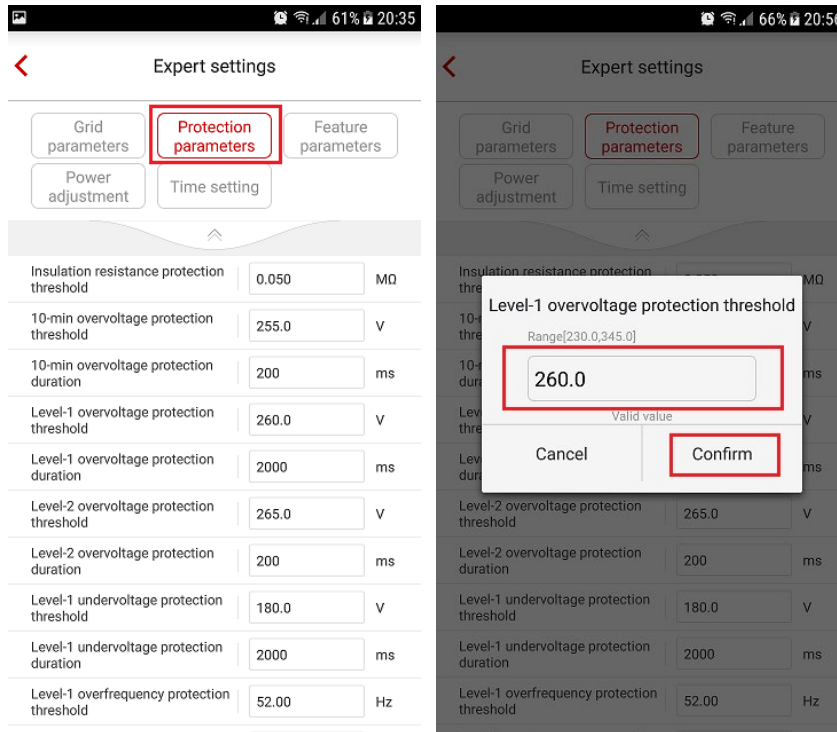
- Grid voltage is too high  $>253\text{VAC}$ : increase the voltage for the “Grid connection voltage upper limit”.
- Grid voltage is too low  $<195.5$ : decrease the voltage for the “Grid reconnection voltage lower limit”.
- Grid frequency is too high  $>50.05$ : increase the frequency for the “Grid reconnection frequency upper limit”.
- Grid frequency is too low  $<47.5$ : decrease the frequency for the “Grid reconnection frequency lower limit”.



Set the protection parameters:

If the inverter generate very often one of the next alarms: over voltage, under voltage, over frequency or under frequency you can select and increase/decrease the related value, set and confirm.

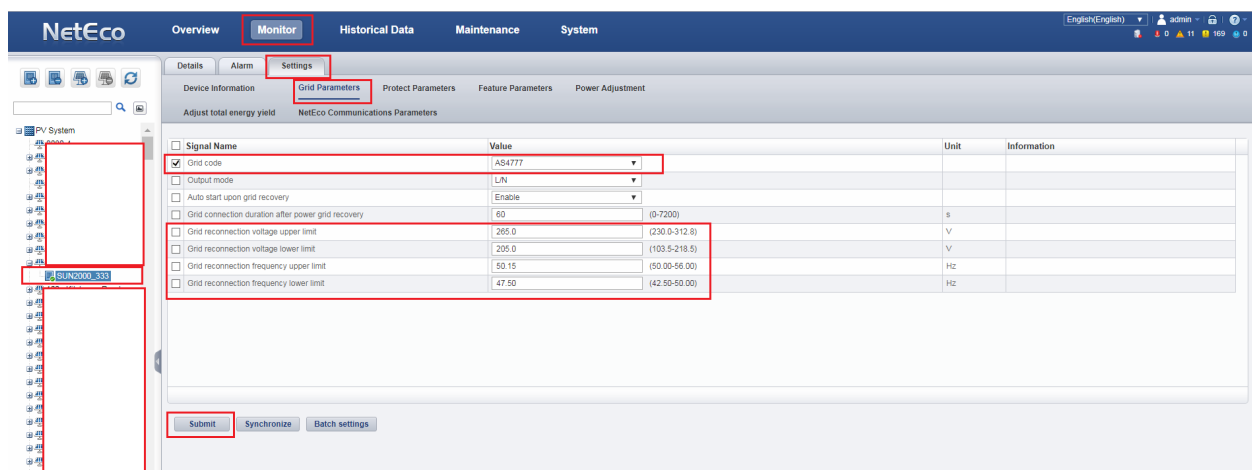
For example: if the inverter generate very often the alarm over voltage due to the grid voltage range, you can select the over voltage protection, increase with 10V and confirm.



## 2. Set the running parameters through NetEco

Login with an installer account on NetEco and follow the steps:

1. Choose “Monitoring” menu
2. Select the inverter and choose “Settings” menu
3. Select “Grid Parameters”, set the grid code AS4777 and “Submit”
4. Select “Protect Parameters”, set the protection parameter that you want to modify and “Submit”



Overview
Monitor
Historical Data
Maintenance
System

English(English)
admin
0
11
168
0

Details
Alarm
Settings

Device Information
Grid Parameters
Protect Parameters
Feature Parameters
Power Adjustment

Adjust total energy yield
NetEco Communications Parameters

Signal Name	Value	Unit	Information
<input type="checkbox"/> Insulation resistance protection	0.050	(0.020-1.500)	MΩ
<input type="checkbox"/> 10 minute OV protection	265.0	(230.0-345.0)	V
<input type="checkbox"/> 10 minute OV protection time	200	(50-7200000)	ms
<input checked="" type="checkbox"/> Level-1 OV protection	265.0	(230.0-345.0)	V
<input type="checkbox"/> Level-1 OV protection time	2000	(50-7200000)	ms
<input type="checkbox"/> Level-2 OV protection	265.0	(230.0-345.0)	V
<input type="checkbox"/> Level-2 OV protection time	200	(50-7200000)	ms
<input type="checkbox"/> Level-1 UV protection	180.0	(34.5-230.0)	V
<input type="checkbox"/> Level-1 UV protection time	2000	(50-7200000)	ms
<input type="checkbox"/> Level-1 OF protection	52.00	(50.00-57.50)	Hz
<input type="checkbox"/> Level-1 OF protection time	200	(50-7200000)	ms
<input type="checkbox"/> Level-1 UF protection	47.00	(42.50-50.00)	Hz
<input type="checkbox"/> Level-1 UF protection time	2000	(50-7200000)	ms

Submit
Synchronize
Batch settings

Please note that all the protection parameters are set by default accordingly with the grid code and in order to modify some protection parameters you need approval from the grid operator.