

## Set the power factor on SUN2000 inverters



**Huawei Technologies Co. Ltd.**

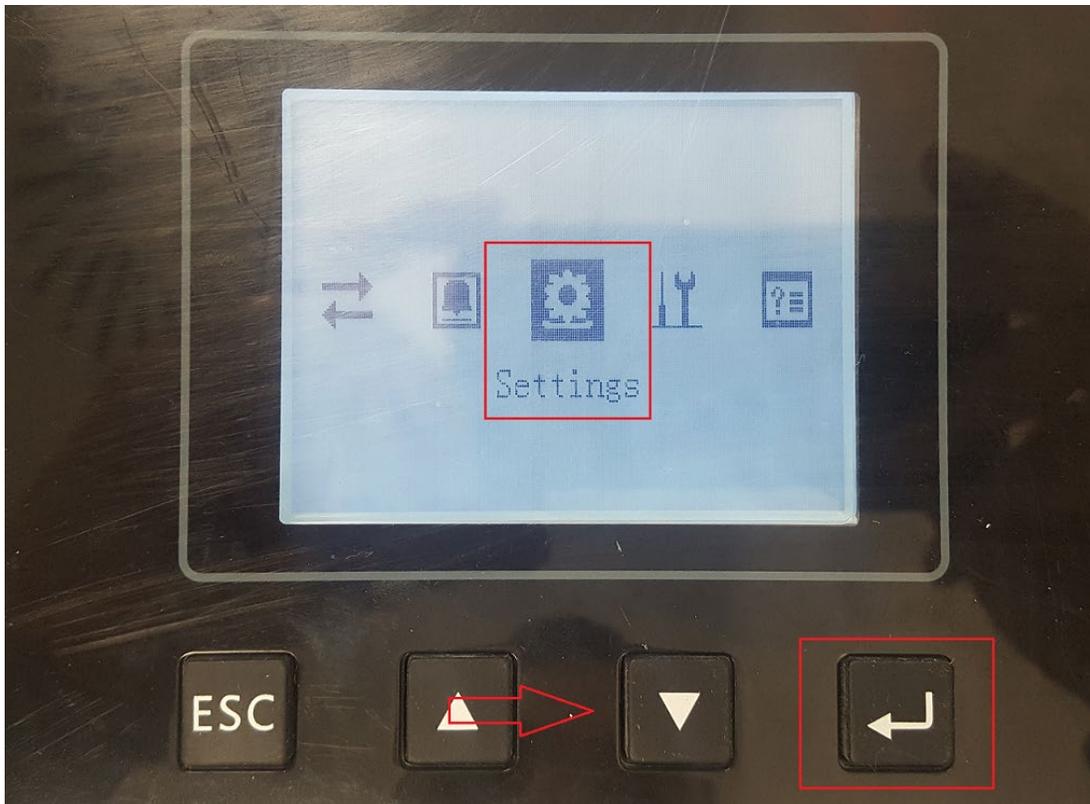
Version	Created by	Date	Remarks
01	Huawei e84081311	02.04.2019	Initial version created

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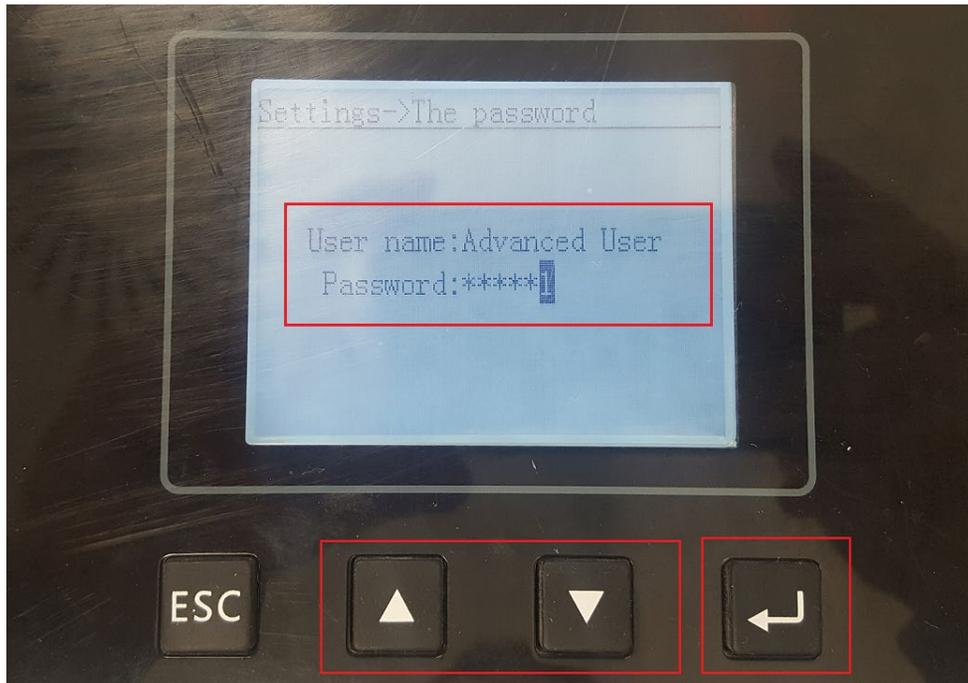
This document describes how to set the power factor on Huawei SUN2000 inverters locally and remote.

### 1. Set the power factor on SUN2000 8-28KTL inverters through LCD screen

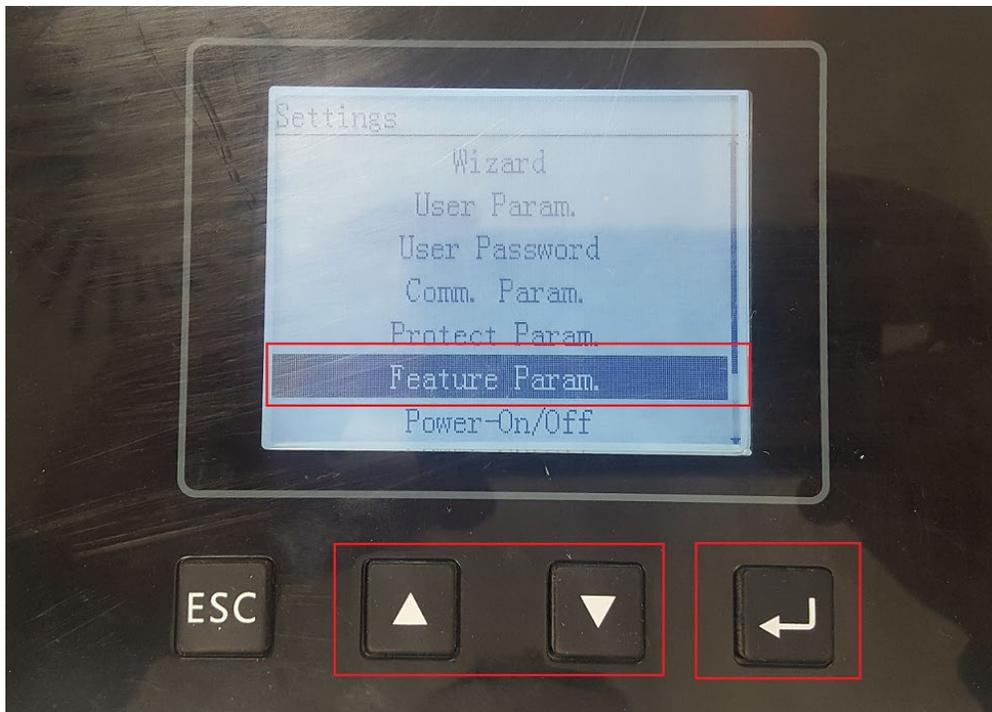
Press enter and choose the down arrow to choose the Settings menu:



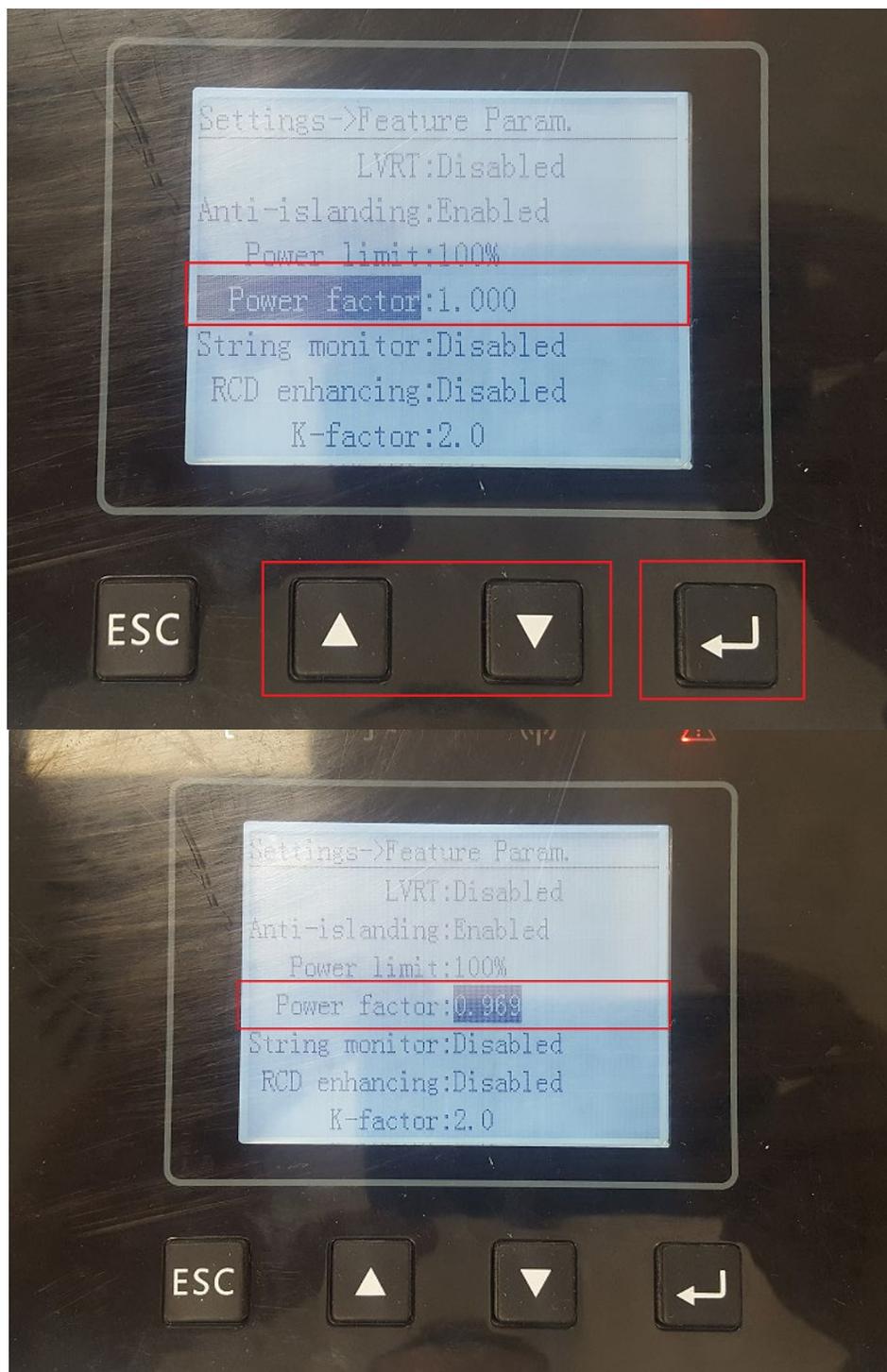
Login as Advanced User with the default password: **000001**



Choose the arrows to select the Feature Param. and press enter:

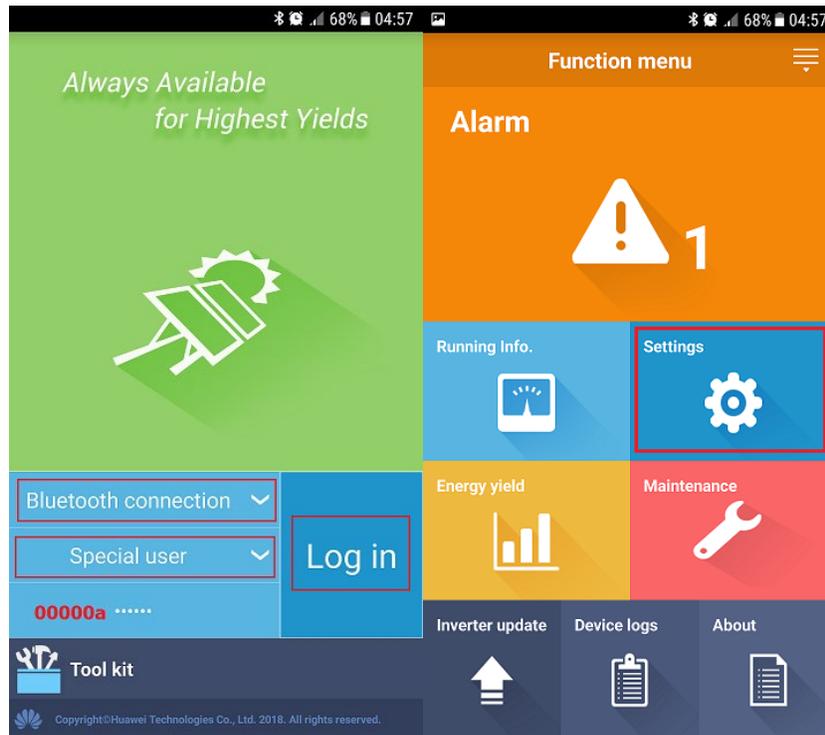


Select the Power factor, press enter and set the power factor:

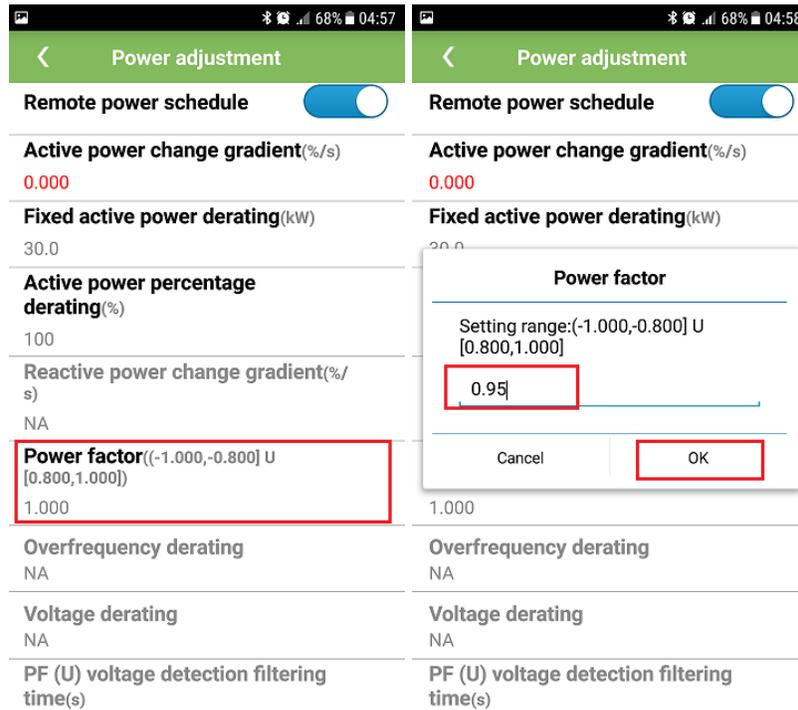


## 2. Set the power factor on SUN2000 33-A-105KTL through SUN2000APP

Login as special user on inverter with **SUN2000APP** and choose **Settings**:

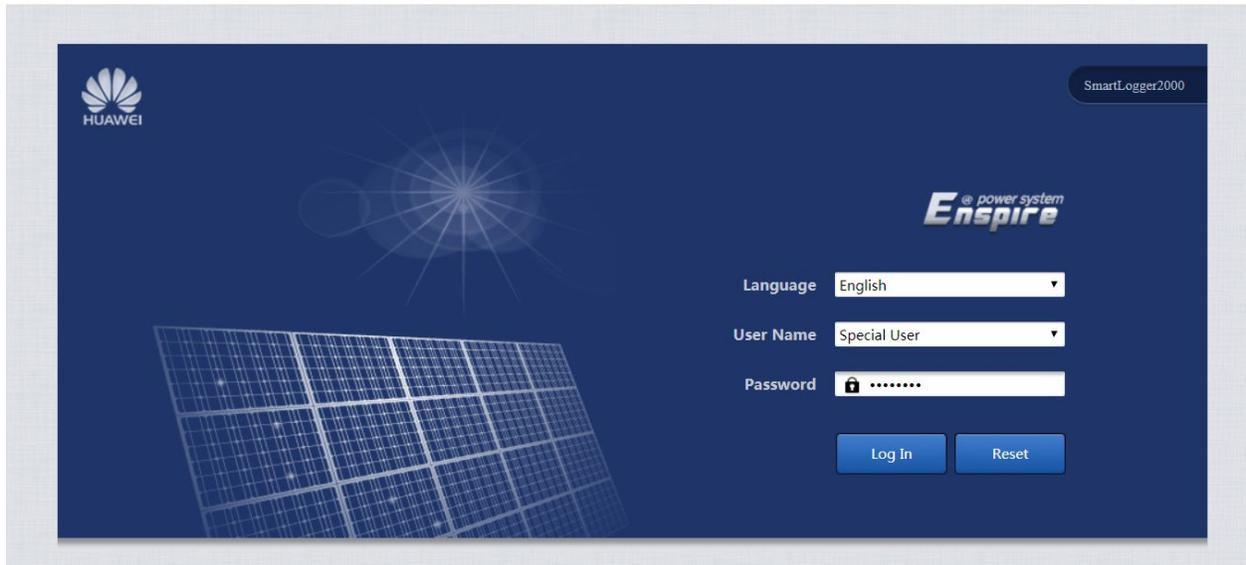


From Settings menu choose **Power adjustment**, select the **Power factor** and set the power factor:



### 3. Set the power factor through Smartlogger1000&2000

Login as Advanced User on Smartlogger1000&2000 with the default password **Changeme**:



From **Monitoring** menu select one inverter, choose **Running Param., Power Adjustment**, select the **Power factor**, set and select **Batch configuration** to set all the inverters:

Enspire power system

Deployment Wizard | Over View | **Monitoring** | Query | Settings | Maintenance

Running Info. | Active Alarm | Performance Data | Yield | **Running Param.** | LVRT Characteristic Curve | About

Grid Parameters | Protect Parameters | Feature Parameters | **Power Adjustment**

All	No.	Signal Name	Value	Unit
<input type="checkbox"/>	1	Remote power schedule	Enable	
<input type="checkbox"/>	2	Plant active power gradient	0 (0-60)	min/100%
<input type="checkbox"/>	3	Filter duration for average active power	20 (20-300000)	ms
<input type="checkbox"/>	4	Active power change gradient	125.000 (0.100-1000.000)	%/s
<input type="checkbox"/>	5	Fixed active power derated	0.0 (0.0-40.0)	kW
<input type="checkbox"/>	6	Active power percentage derating	100 (0-100)	%
<input type="checkbox"/>	7	Reactive power change gradient	125.0 (0.1-1000.0)	%/s
<input checked="" type="checkbox"/>	8	Power factor	0.95 (-1.000,-0.800)U[0.800,1.000]	
<input type="checkbox"/>	9	Overfrequency derating	Disable	
<input type="checkbox"/>	10	Voltage derating	Disable	
<input type="checkbox"/>	11	PF(U) voltage detection filter time	1.5 (0.1-120.0)	s

Submit | **Batch configurations**

Time: 2019-04-02 04:32 | Grid dispatch: P: NA | PF: 0.900 | Copyright © Huawei Technologies Co., Ltd. 2018. All rights reserved.

Enspire power system

Deployment Wizard | Over View | **Monitoring** | Query | Settings | Maintenance

Running Info. | Active Alarm | Performance Data | Yield | **Running Param.** | LVRT Characteristic Curve | About

Grid Parameters | Protect Parameters | Feature Parameters | **Power Adjustment**

All	No.	Signal Name	Value	Unit
<input type="checkbox"/>	1	Remote power schedule	Enable	
<input type="checkbox"/>	2	Plant active power gradient	0 (0-60)	min/100%
<input type="checkbox"/>	3	Filter duration for average active power	20 (20-300000)	ms
<input type="checkbox"/>	4	Active power change gradient	125.000 (0.100-1000.000)	%/s
<input type="checkbox"/>	5	Fixed active power derated	0.0 (0.0-40.0)	kW
<input type="checkbox"/>	6	Active power percentage derating	100 (0-100)	%
<input type="checkbox"/>	7	Reactive power change gradient	125.0 (0.1-1000.0)	%/s
<input checked="" type="checkbox"/>	8	Power factor	0.95 (-1.000,-0.800)U[0.800,1.000]	
<input type="checkbox"/>	9	Overfrequency derating	Disable	
<input type="checkbox"/>	10	Voltage derating	Disable	
<input type="checkbox"/>	11	PF(U) voltage detection filter time	1.5 (0.1-120.0)	s

Submit | **Batch configurations**

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#### 4. Set the power factor through Neteco

From **Monitor** menu select one inverter → **Settings** → **Power Adjustment** → set the power factor and **Batch settings** → select all the inverters → confirm with **OK**

