Safety Parameter Setting User Manual

FOR WEB:

HiPortal® on https://www.hyponportal.com/signin

FOR APP:

HiPortal® APP is available from **Apple App Store, Google Play,** and **Android APK**.

Scan the QR Code below to download **HiPortal® APP** on your smartphone.

1. Enter the parameter setting page

1.1 Enter the parameter setting page from web

Step1: Enter the plant page and find the ***Device*** menu

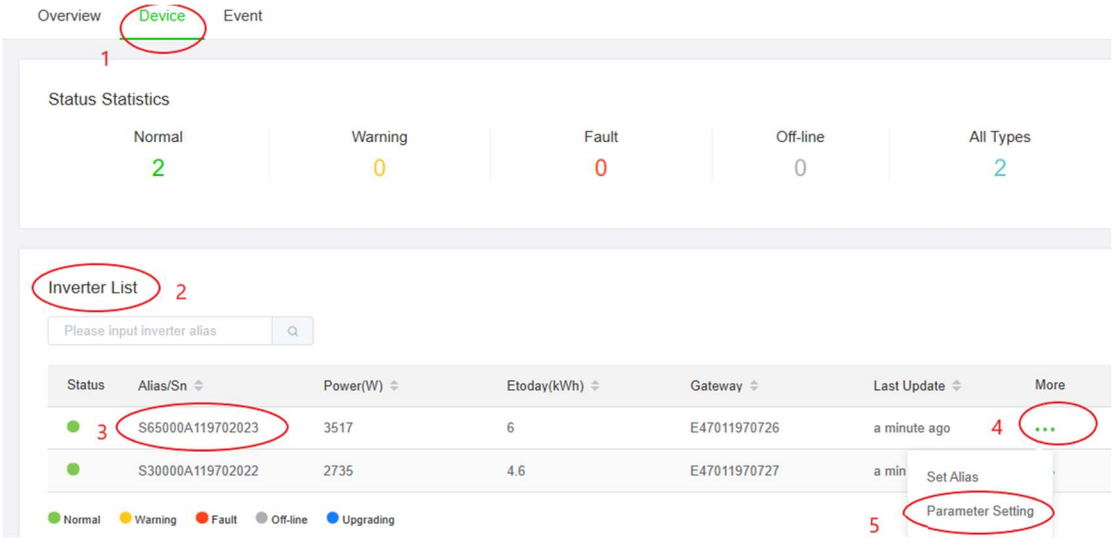
Step2: Find the ***Inverter List***

Step3: Find the inverter **Alias/Sn**

Step4: Click the ***More*** menu

Step5: Click the ***Parameter Setting*** menu

Step6: Click the parameter menu and see more parameters to set



1.2 Enter the parameter setting page from App

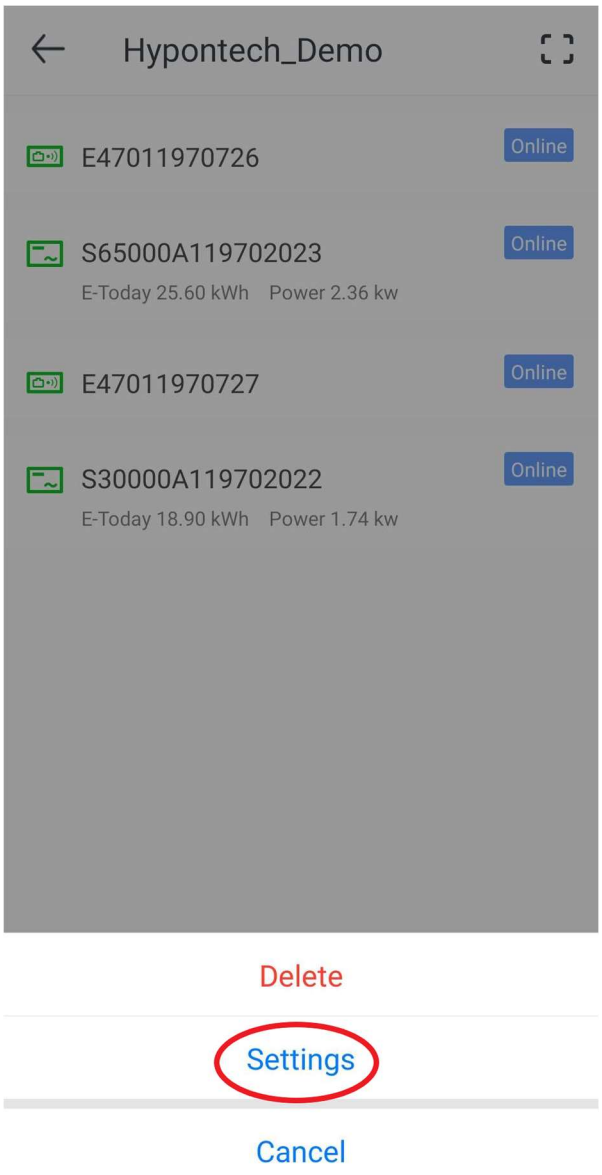
Step1: Enter the plant page and click the ***Devices*** menu

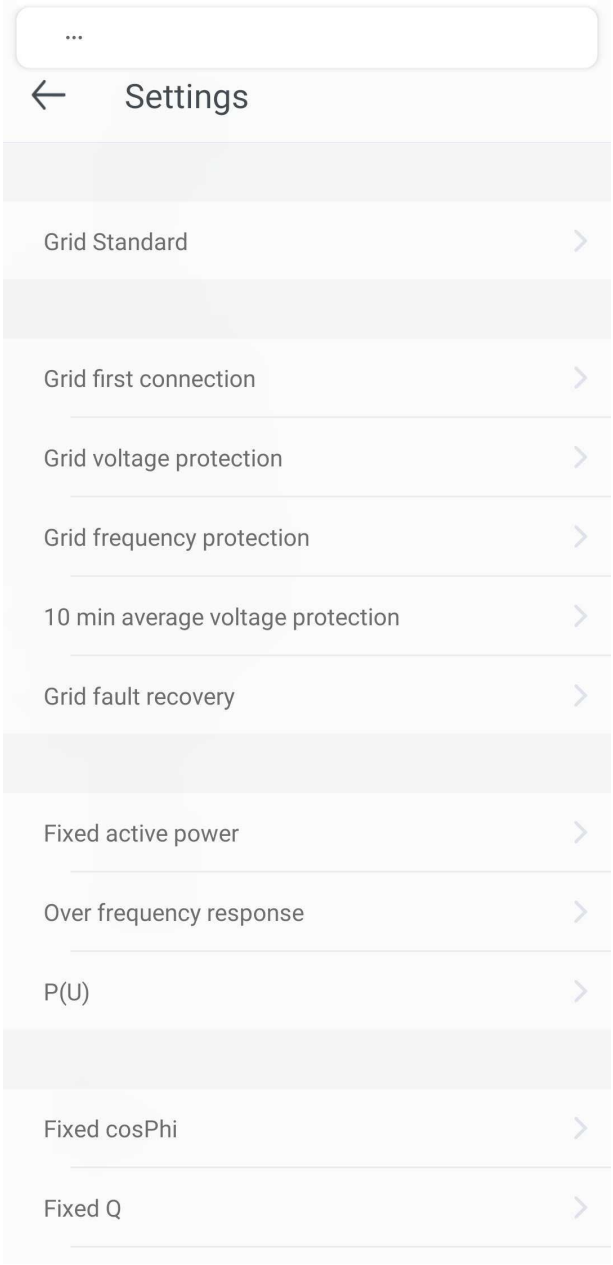
Step2: Find the inverter and long press

Step3: Click the ***Settings*** menu

Step4: Slide the screen to see more parameter

Step5: Click the parameter menu and see more parameters to set


Hypontech_Demo
E47011970726
Online
S65000A119702023
Online
E-Today 25.60 kWh Power 2.36 kw
E47011970727
Online
S30000A119702022
Online
E-Today 18.90 kWh Power 1.74 kw
Delete
Settings
Cancel

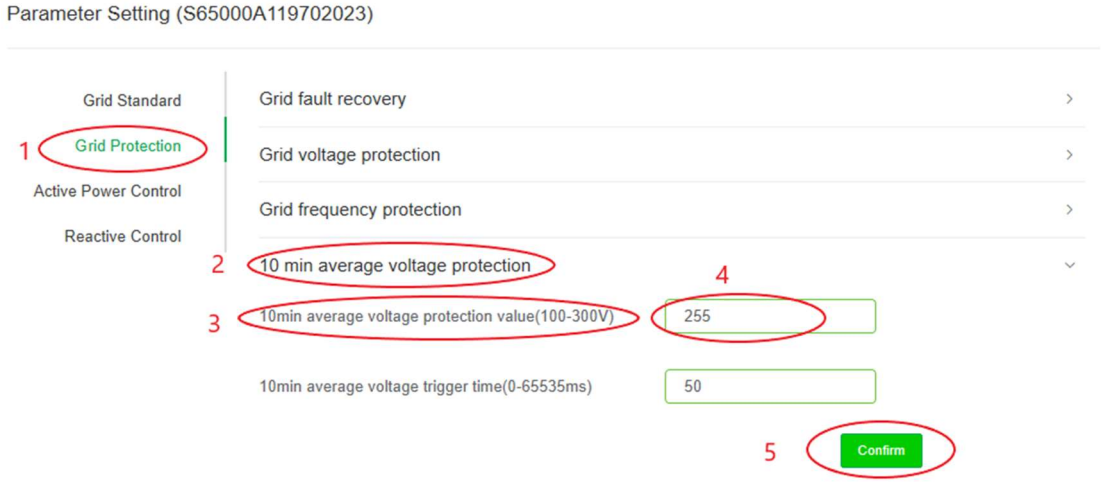


2. Set grid standard

Step1: Click the ***Grid Standard*** menu
Step2: Set the grid standard
Step3: Click ***Confirm*** button

3. Set grid protection parameter

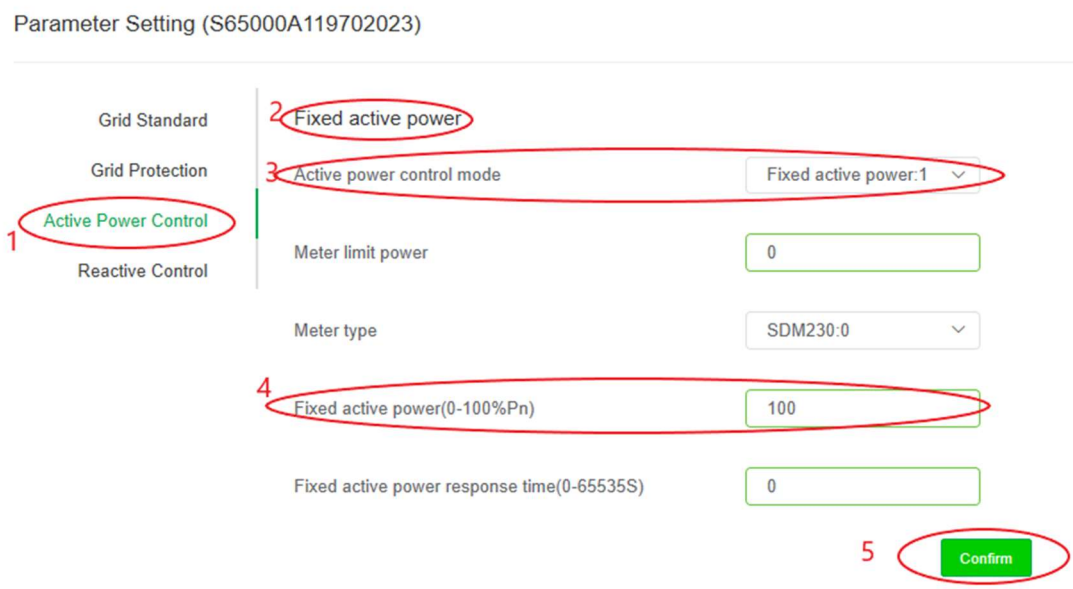
Step1: Click the ***Grid Protection*** menu
Step2: Click the protection type menu
Step3: Find the parameter
Step4: Set the value
Step5: Click ***Confirm*** button



4. Set active power control parameter

3.1 Set fix active power mode

Step1: Click the ***Active Power Control*** menu
Step2: Click the ***Fixed Active Power*** menu
Step3: Set ***Active power control mode*** to ***Fixed active power***
Step4: Set ***Fixed active power***
Step5: Click ***Confirm*** button



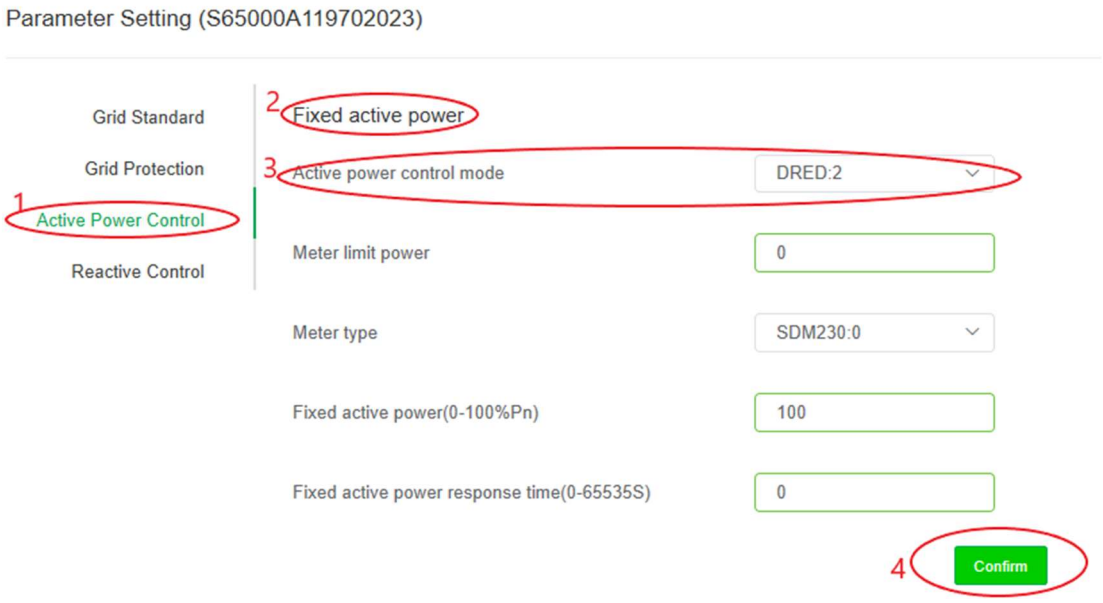
3.2 Set DRED mode

Step1: Click the ***Active Power Control*** menu

Step2: Click the ***Fixed Active Power*** menu

Step3: Set ***Active power control mode*** to ***DRED***

Step4: Click ***Confirm*** button



3.3 Set Meter mode

Step1: Click the ***Active Power Control*** menu

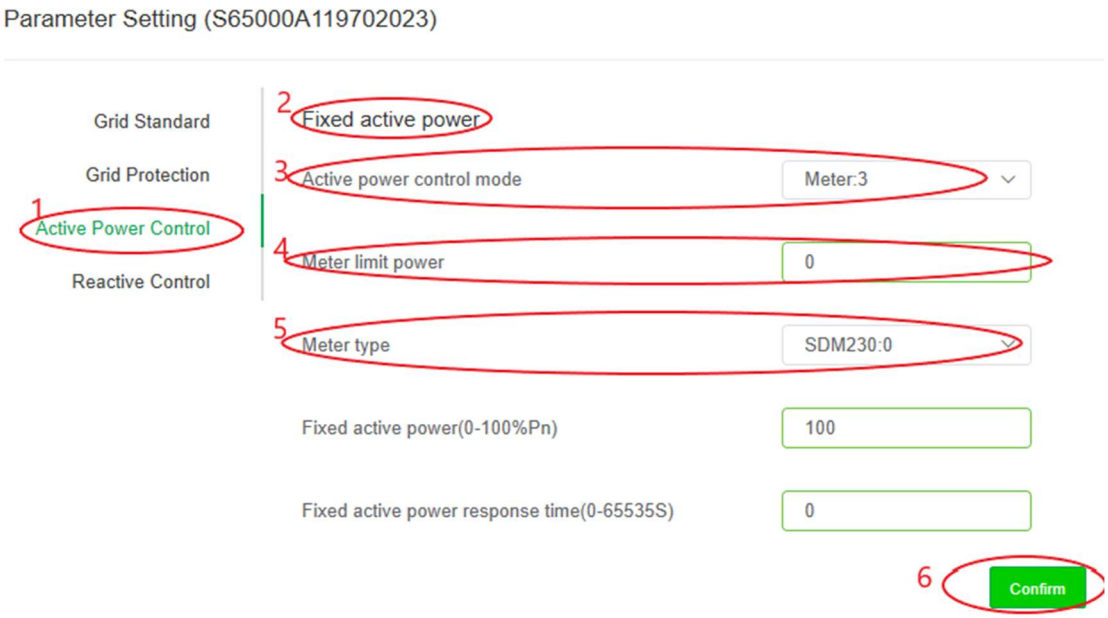
Step2: Click the ***Fixed Active Power*** menu

Step3: Set ***Active power control mode*** to ***Meter***

Step4: Set ***Meter limit power***

Step5: Set ***Meter type***

Step6: Click ***Confirm*** button



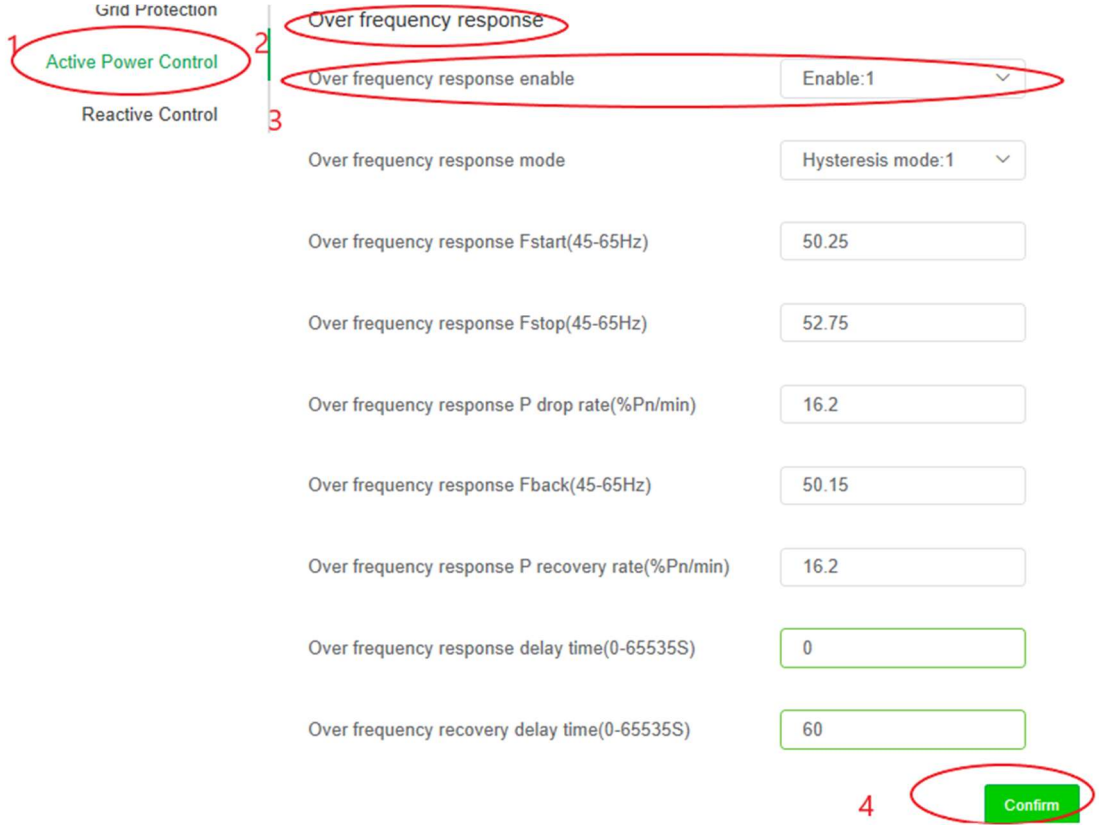
3.4 Set Over frequency response mode

Step1: Click the ***Active Power Control*** menu

Step2: Click the ***Over frequency response*** menu

Step3: Set **Over frequency response *enable*** to ***Enable*** and set other parameters

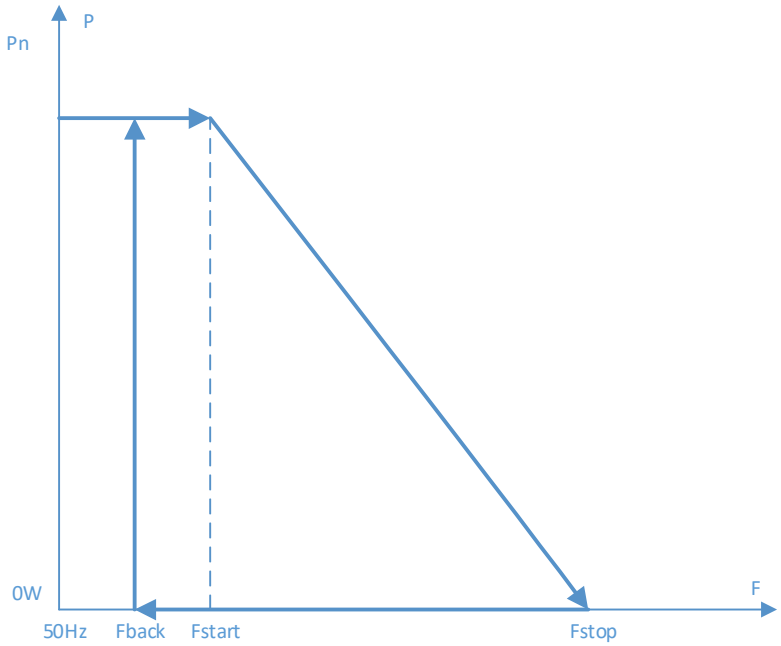
Step4 Click ***Confirm*** button



The relation between output power and frequency:

$$Pout = Pref * (1 - \frac{(F - Fstart)}{(Fstop - Fstart)})$$

The diagram of output power and frequency:



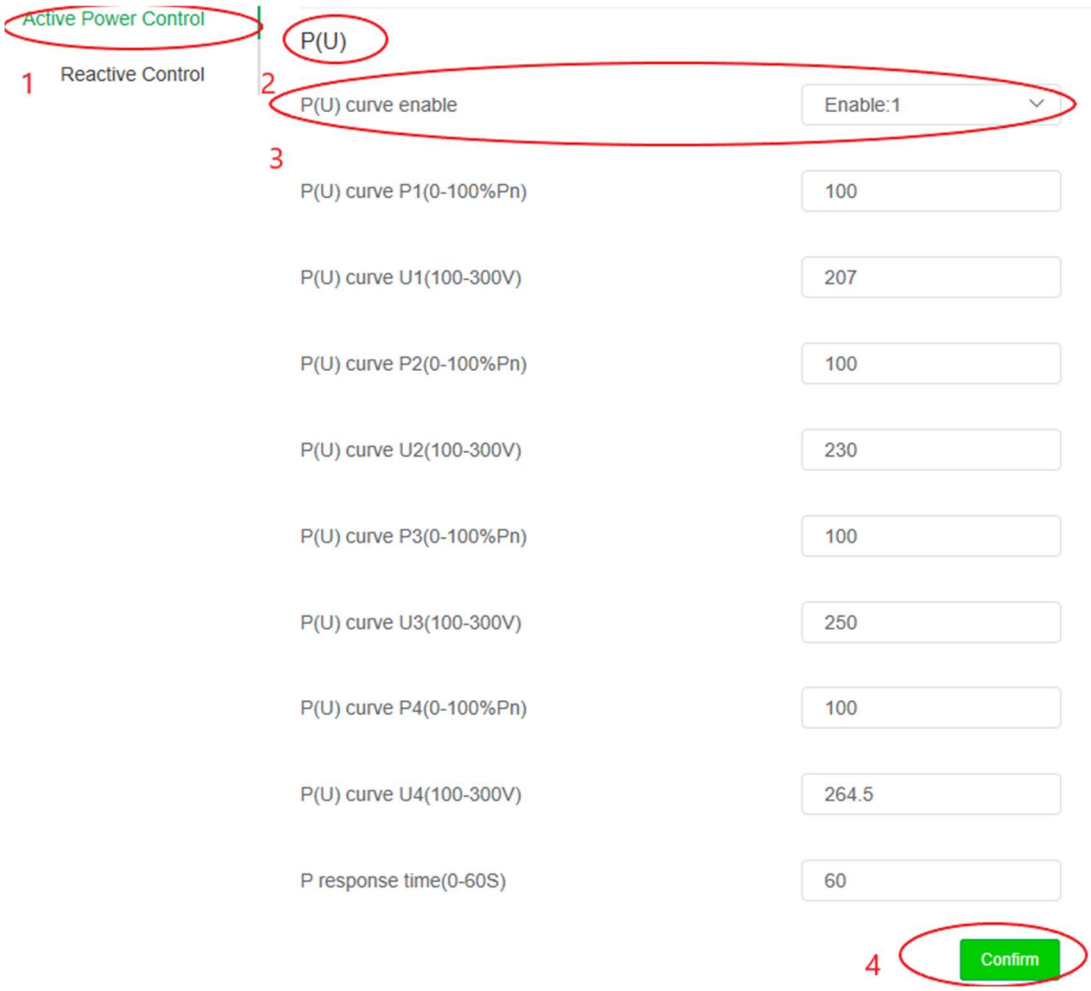
3.4 Set P(U) mode(Volt-watt response mode)

Step1: Click the ***Active Power Control*** menu

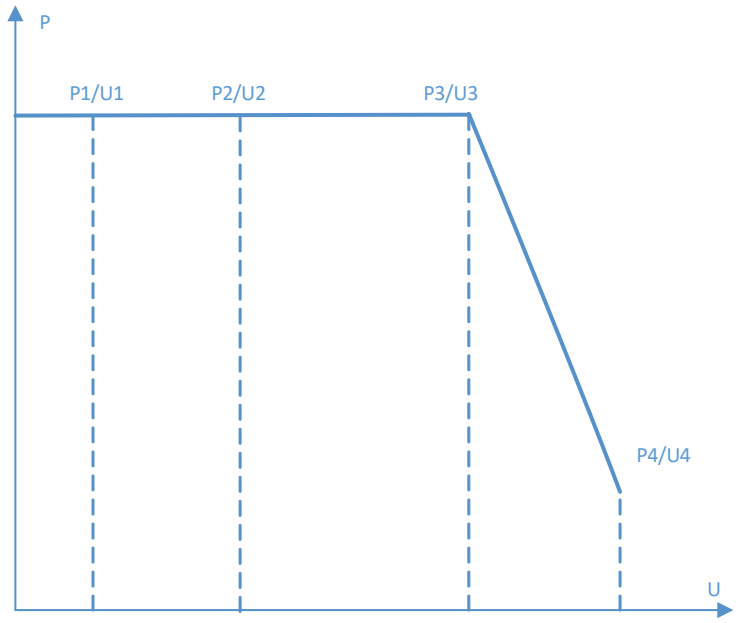
Step2: Click the ***P(U)*** menu

Step3: Set ***P(U) curve enable*** to ***Enable*** and set other parameters

Step4 Click ***Confirm*** button



The diagram of output power and voltage:



5. Set reactive power control parameter

4.1 Set reactive power control mode

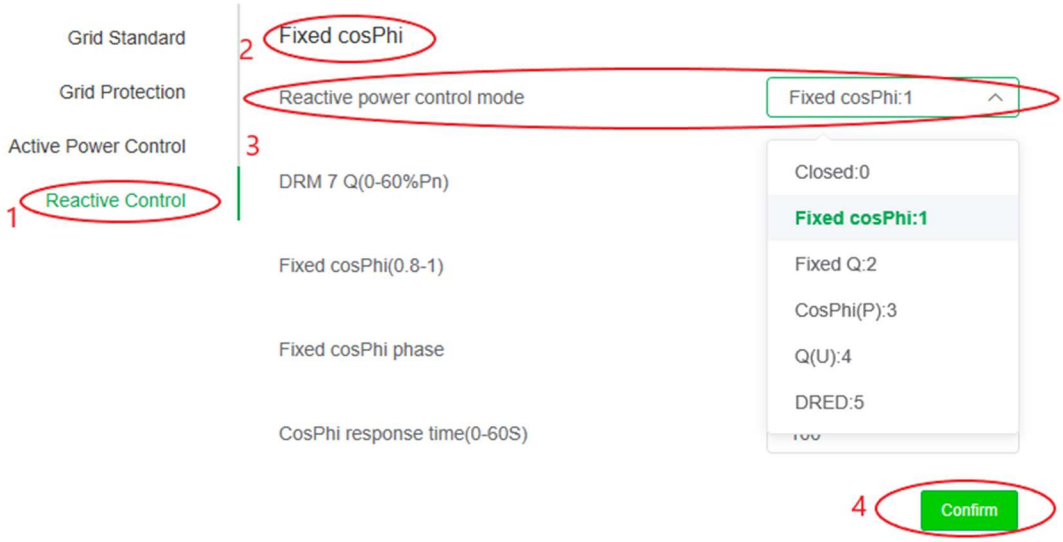
Step1: Click the ***Reactive Power Control*** menu

Step2: Click the ***Fixed cosPhi*** menu

Step3: Set ***Rective power control mode*** to ***Fixed cosPhi***(Fixed power factor mode)***/Fixed Q***(Reactive power mode)***/CosPhi(P)***(Characteristic power factor curve for cosPhi(P))***/Q(U)***(Volt-var response mode)

(If chose the fixed cosPhi mode, setting ***Fixed cosPhi*** and ***phase.*** If chose the fixed other mode, enter other mode menu.)

Step4: Click ***Confirm*** button



4.2 Set cosPhi(P) curve*)*(Characteristic power factor curve for cosPhi(P))

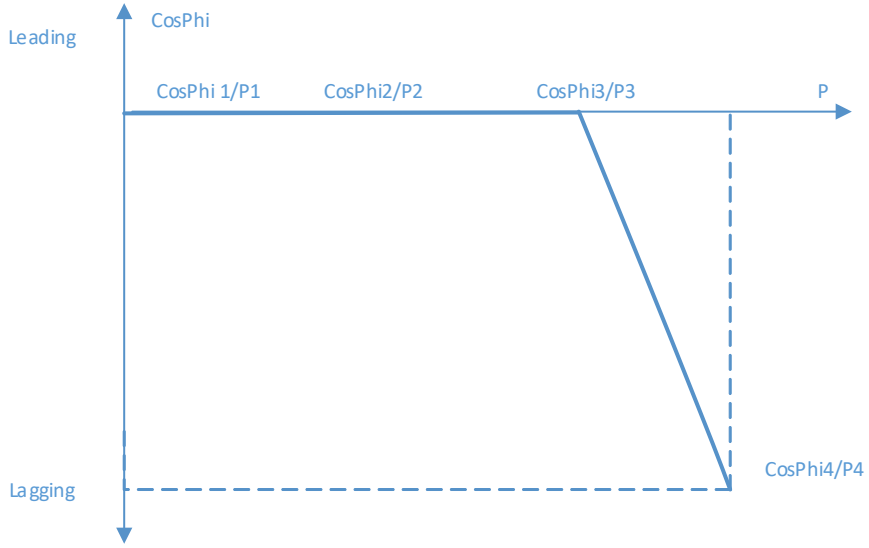
Step1: Click the ***Reactive Power Control*** menu

Step2: Click the ***cosPhi(P) curve*** menu

Step3: Set parameter

Step4: Click ***Confirm*** button

The diagram of cosPhi and output power:



4.2 Set Q(U) curve(Volt-var response mode)

Step1: Click the ***Reactive Power Control*** menu

Step2: Click the ***Q(U) curve*** menu

Step3: Set parameter

Step4: Click ***Confirm*** button

The diagram of Q and output power: