

Set Q-U and P-U through FusionSolar APP



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This document describes how to set the Q-U and P-U curve on the Huawei inverters with FusionSolar APP.



1. Connect on the inverter WiFi

Disable the data mobile from your phone and enable the WiFi. Choose form your WiFi list the SUN2000L-.....SN and connect with the default password **Changeme**

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←	Wi-Fi	0	< ₩: F: 9
			SUN2000L-210107380310HA000045
	On		Password
		ו	
([t-	SUN2000L-210107380310HA000045 Connected, no internet	ô	Show password
		,	
	AP-00:25:92:5d:5c:dd Saved	Ô	CANCEL
((1-	Globalworth 2.4Ghz	ê	1 2 3 4 5 6 7 8 9 0
((1:	Huawei-Employee	Ô	$ \begin{array}{c c} & & \\ \hline q & w & \hline e & r & t \\ \end{array} \begin{array}{c c} & & \\ \hline t & y \\ \end{array} \begin{array}{c c} & & \\ y & u \\ \end{array} \begin{array}{c c} & & \\ \hline s & o \\ \end{array} \begin{array}{c c} & \\ p \\ \end{array} \end{array} $
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	wlanaccessv2.0	Ĥ	

2. Login on inverter with FusionSolar APP

Open FusionSolar APP on your phone and from the main page choose **Setup-wizard** Select the inverter from the list, if the inverter is not present choose **Connect** and scan the inverter QR code or insert manually the SN of the inverter. Login with the default password **00000a**.





3. Set the P-U curve

From the main page select Parameters configuration \rightarrow Expert \rightarrow Feature parameters \rightarrow enable Voltage rise suppression \rightarrow select Voltage rise suppression P-U curve:

< SUN200	00L-4KTL	Emergency call	3 6 🔊 🔅 11 9	7% 🗖 7:27 pm
Communication status WLAN Connection failed	Network management status Connection failed		etection	Completed
Active power	Energy yield of current day	Setting basic parameters	Connect to mgm	t sys
Monthly Energy Yield	Total	Grid code	Australia-AS4	1777_A >
0.67(kWh)	255.34 _(kWh)	Voltage level	230 V	
-		Grid frequency	50 Hz	
Device information	Device maintenance	Phone time	14-Sep-2020 19:27:	26
R		Phone time zone	UTC+10:00	
Quick settings	ettings Parameter configuration	Sync phone time		
<u></u>	包			
Communication configuration	Log management		Next	
		¢	\bigcirc	ā

2022-02-01



< Param	eter configuration Expert
	^
Grid code	Australia-AS4777
Voltage level	230 V
Grid frequency	50 Hz
Phone time	06-Dec-2019 05:16:27
Phone time zone	UTC+02:00
Sync phone time	
	Submit
	•

Set the Curve points to 2 and set the value U and P/Pn accordingly with the value provided by grid operator and **Submit**:

< Expert settings	Emergency call	🗔 🛆 📓 🛭 🛜 내 94% 🖥 7:39 e rise suppression P-U	9 pm
Grid Protection parameters Power adjustment Time setting	Curve points	curve	lit
*	100		
Heartbeat period at application 30 Min	87.: Curve points 75.: U(V)	P/Pn(%)	I
Delay upgrade	62.! [176.0, 1	500.0] [0.0, 100.0]	
LVRT	50.1 A 207.0	100.0	
	25.0 B 220.0	100.0	
HVRI	c 253	100.0	
Active islanding protection	0.0 D 260	20.0	S
Soft start time after grid failure 400 s		Confirm	
Voltage rise suppression			
Voltage rise suppression P-U curve $>$			
Voltage rise suppression Q-U curve		Submit	
< ● ■	¢		

P-U for Australia region:

-Australia A:



2022-02-01

eu_inverter_support@huawei.com



-Australia C:

<	urve	voitage rise su cui	rve	Fdit
ľ	Set o	haracteristic curve	e points	×
DO	Curve	e points	-	4 +
5.0		U(V)	P/Pn(%)	
2.!		[176.0, 1500.0]	[0.0, 100.0]	- 1
D.(А	207.0	100.0	
7.3	в	220.0	100.0	
5.0	С	253	100.0	
0	D	260	20.0	V)
ł		Cor	nfirm	
		Sul	bmit	

	urve j	points	(🖉 Edit
	Set o	characteristic curv	e points	×
37.1	Curve	points	- 4	+
5.1		U(V)	P/Pn(%)	
2.1		[176.0, 1500.0]	[0.0, 100.0]	
i0.1	А	207.0	100.0	
7.	в	220.0	100.0	
5.1	С	242	100.0	
2.1	D	250	20.0	2
		Cor	nfirm	

4. Set the Q-U curve

From Expert settings menu \rightarrow Feature parameters select Voltage rise suppression Q-U curve \rightarrow set the Curve points to 4 \rightarrow set the value U and Q/S accordingly with the value provided by grid operator and **Submit**:

< Expert settings	Voltage rise suppression Q-U curve
Grid Protection Prature parameters	Curve points - 4 +
Power adjustment Time setting	U(V) Q/S
*	1 207.0 0.44
Heartbeat period at application 30 Min	2 220.0 0.000
Delay upgrade	3 \$240 0.000
LVRT	4 258 -0.60
HVRT	
Active islanding protection	
Soft start time after grid failure 400 s	
Voltage rise suppression	
Voltage rise suppression P-U curve $\qquad >$	
Voltage rise suppression Q-U curve	Submit
• • •	• • •

Q-U for Australia region:



-Australia A:

Voltage rise suppression Q-U curve		
Curve points - 4 +		
	U(V)	Q/S
	[184.0~312.8]	[-0.600~0.600]
1	207	0.44
2	220	0.000
3	240	0.000
4	258	-0.60

-Australia B:

Voltage rise suppression Q-U curve			
Curve points		- 4	+
	U(V)	Q/S	
	[184.0~312.8]	[-0.600~0.600]	
1	205	(0.30)	
2	220	0.000	
3	235	0.000	
4	255	0.40	



-Australia C:

< Voltage rise suppression Q-U curve			
Cur	ve points	-	4 +
	U(V)	Q/S	
	[184.0-312.8]	[-0.600~0.	600]
1	215	(0.44:	
2	230	0.000	
3	2240	0.000	
4	255	0.60	



NZ:				
<	Voltage rise suppression Q-U curve			
Curv	ve points	- 4 +		
	U(V)	Q/S		
	[184.0~312.8]	[-0.600~0.600]		
1	:207	(0.60)		
2	220	0.000		
3	235	0.000		
4	244	0.60		







If you have problem to set the P-U and Q-U curve please contact service team at eu_inverter_support@huawei.com.