

# GRID PROFILE SETTINGS FOR THE Q.HOME HYBRID INVERTER

## POWER QUALITY RESPONSE MODES FOR DNSPS (VOLT VAR, VOLT WATT AND VOLTAGE)

Q CELLS Australia | Sep 2020

# ACCESSING SIM MANAGER (PROGRAM GRID SETTINGS) - ONSITE

[Link to commissioning guide: https://youtu.be/KHnoCo-WIOQ?t=706](https://youtu.be/KHnoCo-WIOQ?t=706)



# CHANGE GRID SETTINGS ONLINE – ON-CLOUD

Login installer account, then visit:

[https://au.qhomestory.com/installer/prod/list1/goView.do?deviceId=\[serial number\]](https://au.qhomestory.com/installer/prod/list1/goView.do?deviceId=[serial number])

The screenshot shows the 'Product Details' page for device HSHP4601QAJ09001AB. The interface includes a navigation bar with a home icon and menu items: Remote, Product, User, Maintenance, Statistics, System Management, and Portal Management. Below the navigation bar, the device ID 'HSHP4601QAJ09001AB' is displayed with left and right navigation arrows. The main content area is divided into two columns of key-value pairs:

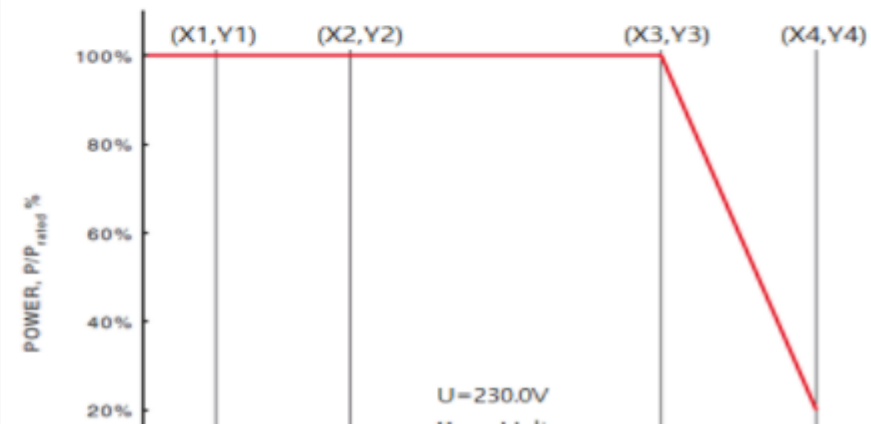
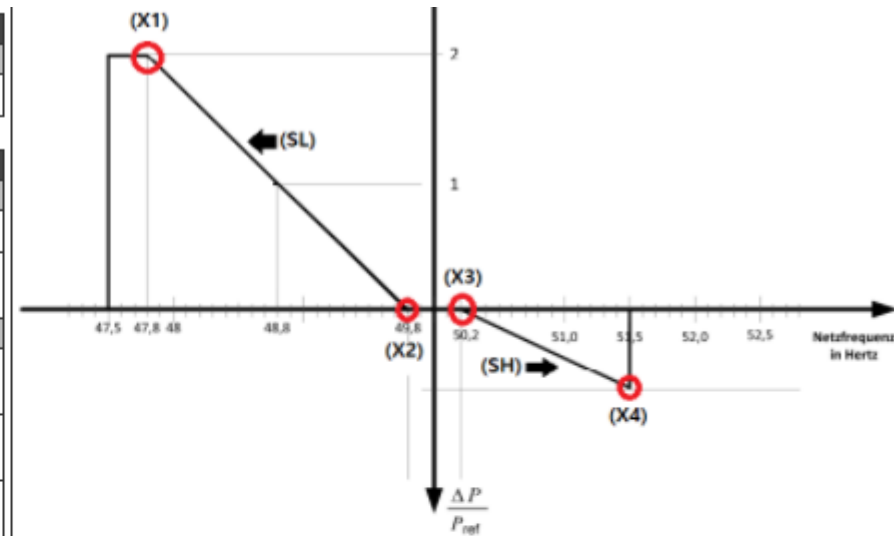
|                  |                     |                  |                           |
|------------------|---------------------|------------------|---------------------------|
| - SITE ID        | 100000001           | - User Name      | Qcell                     |
| - Serial No.     | HSHP4601QAJ09001AB  | - Country        | Commonwealth of Australia |
| - Model Name     | HSHP4601            | - Operation Test | -                         |
| - Date Installed | 06/01/2020 10:37:14 |                  |                           |

Below the key-value pairs are two buttons: 'Back' and 'Operation Test'. The 'Operation Test' button is highlighted with a blue border. At the bottom of the page, there is a tabbed interface with the following tabs: Product Info., Installation Info., basic setting, **advanced setting** (selected), Rates Info, and User Info. Under the 'advanced setting' tab, the 'Over Voltage' section is visible, containing a table of settings:

| Over Voltage |      |                   |
|--------------|------|-------------------|
| - Level1     | 1,15 | (1,00 ~ 1,35){Un} |
| - Time1      | 200  | (0 ~ 65535){msec} |
| - Level2     | 1,10 | (1,00 ~ 1,35){Un} |
| - Time2      | 2000 | (0 ~ 65535){msec} |
| - Level3     | 1,10 | (1,00 ~ 1,35){Un} |

# DEFAULT VALUES

| Grid Control           |   |
|------------------------|---|
| 10 Min Voltage         |   |
| Level                  | 1.10 [Un] (* Range : 1.06 ~ 1.12)                                     |
| Grid Control (Active)  |   |
| Active Power SetPoint  |   |
| SetPoint               | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| SetPoint Value:        | 100 [%]<br>(* Range : 0 ~ 100)  |
| Active Power Frequency |   |
| X1: Frequency          | 49.00 [Hz]<br>(* Range : 47.00 ~ 49.00)                               |
| X2: Frequency          | 49.75 [Hz]<br>(* Range : 49.75 / Fixed)                               |
| X3: Frequency          | 50.25 [Hz]<br>(* Range : 50.25 / Fixed)                               |
| X4: Frequency          | 52.00 [Hz]<br>(* Range : 51.00 ~ 52.00)                               |
| Active Power Voltage   |   |
| Voltage                | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| X1: Voltage            | 0.9 [Un]<br>(* Range : 0.9 / Fixed)                                   |
| X2: Voltage            | 0.96 [Un]<br>(* Range : 0.93 ~ 1.00)                                  |
| X3: Voltage            | 1.09 [Un]<br>(* Range : 1.02 ~ 1.11)                                  |
| X4: Voltage            | 1.15 [Un]<br>(* Range : 1.06 ~ 1.15)                                  |



| Grid Control (Reactive)    |   |
|----------------------------|---|
| Reactive Power SetPoint    |   |
| SetPoint                   | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| SetPoint Excited           | <input type="radio"/> Over <input checked="" type="radio"/> Under     |
| SetPoint Value             | 1.00 [Power Factor]<br>(*Range : 0.80 ~ 1.00)                         |
| Reactive Power Cospi(P)    |   |
| Cospi(P)                   | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| Cospi(P) Excited           | <input type="radio"/> Over <input checked="" type="radio"/> Under     |
| Reactive Power Q(SetPoint) |   |
| Q(SetPoint)                | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| Q(SetPoint) Excited        | <input type="radio"/> Over <input checked="" type="radio"/> Under     |
| SetPoint Value:            | 0.000 [Q/S]<br>(* Range : 0 ~ 0.600)                                  |
| Reactive Power Q(U)        |   |
| Q(U)                       | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| X1: Voltage                | 0.9 [Un]<br>(* Range : 0.9 / Fixed)                                   |
| Y1: Reactive               | -30.00 [%]<br>(* Range : -60.00 ~ 0.00)                               |
| X2: Voltage                | 0.9565 [Un]<br>(* Range : 0.9391 ~ 1.0000)                            |
| Y2: Reactive               | 0.0 [%]<br>(* Range : 0.00 / Fixed)                                   |
| X3: Voltage                | 1.0860 [Un]<br>(* Range : 1.0217 ~ 1.1087)                            |
| Y3: Reactive               | 0.0 [%]<br>(* Range : 0.00 / Fixed)                                   |
| X4: Voltage                | 1.1522 [Un]<br>(* Range : 1.0609 ~ 1.1522)                            |
| Y4: Reactive               | 30.00 [%]<br>(* Range : 0.00 ~ 60.00)                                 |
| Gradient Control           |   |
| Energy Source Change       | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| Time Level                 | 360 [sec]<br>(* Range : 60 ~ 1200)                                    |

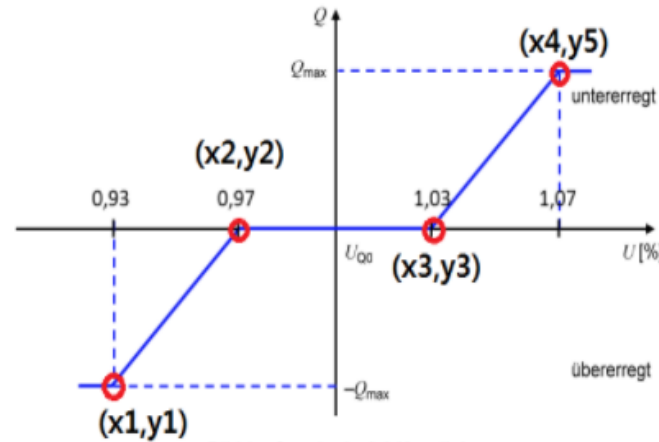
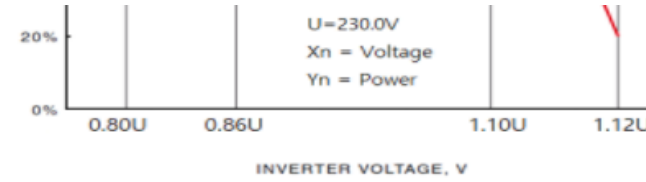


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# AUSNet, CITIPOWER, Powercor, United Energy, Jemena

## Victorian Distribution Network Service Provider (DNSP) Basic Micro EG Connections Power Quality Response Mode settings



Victorian DNSPs are mandating power quality response mode capability, and associated settings for all micro EG connections from 1 December 2019. The settings are:

- Volt-var response mode (AS/NZS 4777.2 Table 11); and
- Volt-watt response mode (AS/NZS 4777.2 Table 10)

Settings for the power quality response modes are shown below

**Table 1: Mandatory: volt-var response mode settings**

| Reference | Voltage in Volts | Var % Rated VA  |
|-----------|------------------|---|
| V1        | 208              | 44% leading<br>(exporting vars)                                   |
| V2        | 220 (default)    | 0%  |
| V3        | 241              | 0%  |
| V4        | 253              | 44% lagging<br>(sinking vars, 3.7% per<br>volt, 0.9 power factor) |

**Table 2: Mandatory volt-watt response mode settings**

| Reference | Voltage in Volts | Power % rated Power      |
|-----------|------------------|--------------------------|
| V1        | 207 (default)    | 100% (default)           |
| V2        | 220 (default)    | 100% (default)           |
| V3        | 253              | 100% (default)           |
| V4        | 259              | 20% (default, 5.3%/volt) |

**Table 3: Sustained operation for voltage variation**

| Reference | Voltage   |
|-----------|-----------|
| V nom-max | 258 volts |

The applicant/electrical contractor/installer must ensure the Victorian power quality response modes have been set in the inverter(s) and must not be changed without written approval from the relevant DNSP. All other settings are as per the default settings in AS4777.2. These required settings must be validated and tested by the electrical contractor/ installer.

# AUSNET, CITIPOWER, POWERCOR, UNITED ENERGY, JEMENA

| Grid Control   |                                   |
|----------------|-----------------------------------|
| 10 Min Voltage |                                   |
| Level          | 1.12 [Un] (* Range : 1.06 ~ 1.12) |

| Grid Control (Active)  |   |
|------------------------|---|
| Active Power SetPoint  |   |
| SetPoint               | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| SetPoint Value:        | 100 [%]<br>(* Range : 0 ~ 100)  |
| Active Power Frequency |   |
| X1: Frequency          | 49.00 [Hz]<br>(* Range : 47.00 ~ 49.00)                               |
| X2: Frequency          | 49.75 [Hz]<br>(* Range : 49.75 / Fixed)                               |
| X3: Frequency          | 50.25 [Hz]<br>(* Range : 50.25 / Fixed)                               |
| X4: Frequency          | 52.00 [Hz]<br>(* Range : 51.00 ~ 52.00)                               |
| Active Power Voltage   |   |
| Voltage                | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| X1: Voltage            | 0.9 [Un]<br>(* Range : 0.9 / Fixed)                                   |
| X2: Voltage            | 0.96 [Un]<br>(* Range : 0.93 ~ 1.00)                                  |
| X3: Voltage            | 1.1 [Un]<br>(* Range : 1.02 ~ 1.11)                                   |
| X4: Voltage            | 1.126 [Un]<br>(* Range : 1.06 ~ 1.15)                                 |

| Grid Control (Reactive)    |   |
|----------------------------|---|
| Reactive Power SetPoint    |   |
| SetPoint                   | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| SetPoint Excited           | <input type="radio"/> Over <input checked="" type="radio"/> Under     |
| SetPoint Value             | 0.9 [Power Factor]<br>(*Range : 0.80 ~ 1.00)                          |
| Reactive Power Cospi(P)    |   |
| Cospi(P)                   | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| Cospi(P) Excited           | <input type="radio"/> Over <input checked="" type="radio"/> Under     |
| Reactive Power Q(SetPoint) |   |
| Q(SetPoint)                | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| Q(SetPoint) Excited        | <input type="radio"/> Over <input checked="" type="radio"/> Under     |
| SetPoint Value:            | 0.000 [Q/S]<br>(* Range : 0 ~ 0.600)                                  |
| Reactive Power Q(U)        |   |
| Q(U)                       | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| X1: Voltage                | 0.9 [Un]<br>(* Range : 0.9 / Fixed)                                   |
| Y1: Reactive               | -44.00 [%]<br>(* Range : -60.00 ~ 0.00)                               |
| X2: Voltage                | 0.9565 [Un]<br>(* Range : 0.9391 ~ 1.0000)                            |
| Y2: Reactive               | 0.0 [%]<br>(* Range : 0.00 / Fixed)                                   |
| X3: Voltage                | 1.0478 [Un]<br>(* Range : 1.0217 ~ 1.1087)                            |
| Y3: Reactive               | 0.0 [%]<br>(* Range : 0.00 / Fixed)                                   |
| X4: Voltage                | 1.1 [Un]<br>(* Range : 1.0609 ~ 1.1522)                               |
| Y4: Reactive               | 44.00 [%]<br>(* Range : 0.00 ~ 60.00)                                 |

## Power Quality Response Modes - IES

### Vnom\_max

| Reference | Voltage Setting |
|-----------|-----------------|
| Vnom_max  | 258 V           |

### volt-var

| Reference      | Voltage | var % rated VA | Power Factor |
|----------------|---------|----------------|--------------|
| V <sub>1</sub> | 207 V   | 44%            | 0.9 leading  |
| V <sub>2</sub> | 220 V   | 0%             | 1            |
| V <sub>3</sub> | 240 V   | 0%             | 1            |
| V <sub>4</sub> | 258 V   | 60%            | 0.8 lagging  |

### volt-watt

| Reference      | Voltage | Max value (P/ P <sub>rated</sub> ), % |
|----------------|---------|---------------------------------------|
| V <sub>1</sub> | 207 V   | 100%                                  |
| V <sub>2</sub> | 220 V   | 100%                                  |
| V <sub>3</sub> | 253 V   | 100%                                  |
| V <sub>4</sub> | 260 V   | 20%                                   |



# ENERGEX & ERGON

| Grid Control           |   |
|------------------------|---|
| 10 Min Voltage         |   |
| Level                  | 1.12 [Un] (* Range : 1.06 ~ 1.12)                                     |
| Grid Control (Active)  |   |
| Active Power SetPoint  |   |
| SetPoint               | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| SetPoint Value:        | 100 [%]<br>(* Range : 0 ~ 100)  |
| Active Power Frequency |   |
| X1: Frequency          | 49.00 [Hz]<br>(* Range : 47.00 ~ 49.00)                               |
| X2: Frequency          | 49.75 [Hz]<br>(* Range : 49.75 / Fixed)                               |
| X3: Frequency          | 50.25 [Hz]<br>(* Range : 50.25 / Fixed)                               |
| X4: Frequency          | 52.00 [Hz]<br>(* Range : 51.00 ~ 52.00)                               |
| Active Power Voltage   |   |
| Voltage                | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| X1: Voltage            | 0.9 [Un]<br>(* Range : 0.9 / Fixed)                                   |
| X2: Voltage            | 0.96 [Un]<br>(* Range : 0.93 ~ 1.00)                                  |
| X3: Voltage            | 1.1 [Un]<br>(* Range : 1.02 ~ 1.11)                                   |
| X4: Voltage            | 1.1304 [Un]<br>(* Range : 1.06 ~ 1.15)                                |

| Grid Control (Reactive)    |   |
|----------------------------|---|
| Reactive Power SetPoint    |   |
| SetPoint                   | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| SetPoint Excited           | <input type="radio"/> Over <input checked="" type="radio"/> Under     |
| SetPoint Value             | 0.9 [Power Factor]<br>(*Range : 0.80 ~ 1.00)                          |
| Reactive Power Cospi(P)    |   |
| Cospi(P)                   | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| Cospi(P) Excited           | <input type="radio"/> Over <input checked="" type="radio"/> Under     |
| Reactive Power Q(SetPoint) |   |
| Q(SetPoint)                | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| Q(SetPoint) Excited        | <input type="radio"/> Over <input checked="" type="radio"/> Under     |
| SetPoint Value:            | 0.000 [Q/S]<br>(* Range : 0 ~ 0.600)                                  |
| Reactive Power Q(U)        |   |
| Q(U)                       | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| X1: Voltage                | 0.9 [Un]<br>(* Range : 0.9 / Fixed)                                   |
| Y1: Reactive               | -44.00 [%]<br>(* Range : -60.00 ~ 0.00)                               |
| X2: Voltage                | 0.9565 [Un]<br>(* Range : 0.9391 ~ 1.0000)                            |
| Y2: Reactive               | 0.0 [%]<br>(* Range : 0.00 / Fixed)                                   |
| X3: Voltage                | 1.04347 [Un]<br>(* Range : 1.0217 ~ 1.1087)                           |
| Y3: Reactive               | 0.0 [%]<br>(* Range : 0.00 / Fixed)                                   |
| X4: Voltage                | 1.1217 [Un]<br>(* Range : 1.0609 ~ 1.1522)                            |
| Y4: Reactive               | 60.00 [%]<br>(* Range : 0.00 ~ 60.00)                                 |

## Sustained operation for Voltage variations (Clause 7.5.2 of AS4777)

| Reference | Voltage in volts |
|-----------|------------------|
| Vnom-max  | 258              |

### Volt-VAr response mode (Table 9 of AS4777)

| Reference | Voltage in volts | VAr % rated VA                         |
|-----------|------------------|--|
| V1        | 207 (default)    | 31% leading (sourcing vars, 2.4%/volt) |
| V2        | 220 (default)    | 0                                      |
| V3        | 248              | 0                                      |
| V4        | 253              | 44% lagging (sinking vars, 8.8%/volt)  |

In addition to the above settings, also apply a Volt-Watt response mode as per below if the inverter allows this.

| Reference | Voltage in volts | Power % rated power      |
|-----------|------------------|--------------------------|
| V1        | 207 (default)    | 100% (default)           |
| V2        | 220 (default)    | 100% (default)           |
| V3        | 250 (default)    | 100% (default)           |
| V4        | 265 (default)    | 20% (default, 5.3%/volt) |

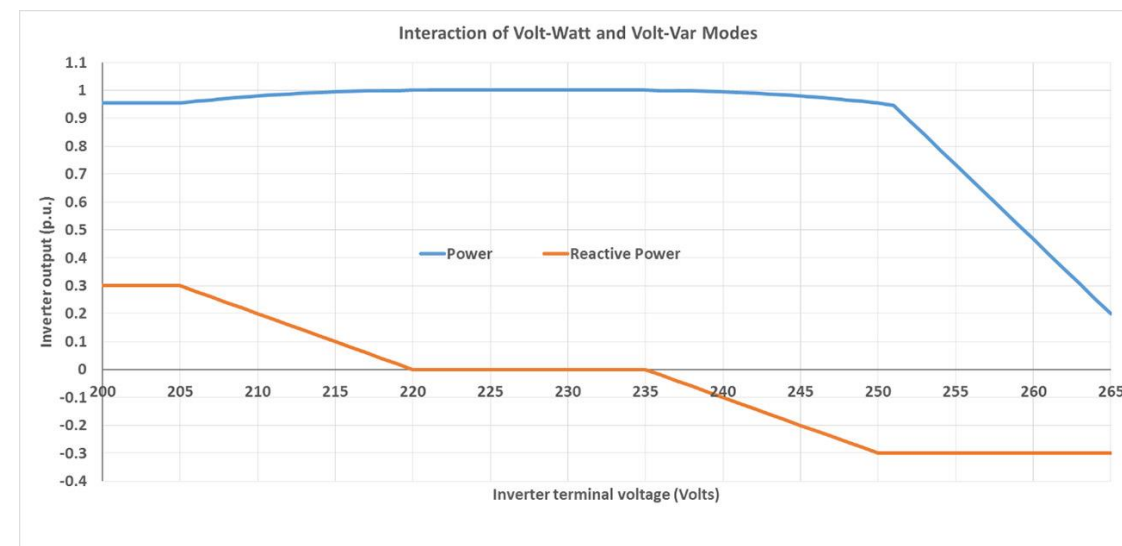
| Grid Control (Active)  |   |
|------------------------|---|
| Active Power SetPoint  |   |
| SetPoint               | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| SetPoint Value:        | <input type="text" value="100"/> [%]<br>(* Range : 0 ~ 100)           |
| Active Power Frequency |   |
| X1: Frequency          | <input type="text" value="49.00"/> [Hz]<br>(* Range : 47.00 ~ 49.00)  |
| X2: Frequency          | <input type="text" value="49.75"/> [Hz]<br>(* Range : 49.75 / Fixed)  |
| X3: Frequency          | <input type="text" value="50.25"/> [Hz]<br>(* Range : 50.25 / Fixed)  |
| X4: Frequency          | <input type="text" value="52.00"/> [Hz]<br>(* Range : 51.00 ~ 52.00)  |
| Active Power Voltage   |   |
| Voltage                | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| X1: Voltage            | <input type="text" value="0.9"/> [Un]<br>(* Range : 0.9 / Fixed )     |
| X2: Voltage            | <input type="text" value="0.9565"/> [Un]<br>(* Range : 0.93 ~ 1.00)   |
| X3: Voltage            | <input type="text" value="1.08696"/> [Un]<br>(* Range : 1.02 ~ 1.11)  |
| X4: Voltage            | <input type="text" value="1.1522"/> [Un]<br>(* Range : 1.06 ~ 1.15)   |

| Grid Control (Reactive)    |   |
|----------------------------|---|
| Reactive Power SetPoint    |   |
| SetPoint                   | <input checked="" type="radio"/> Enable <input type="radio"/> Disable     |
| SetPoint Excited           | <input type="radio"/> Over <input checked="" type="radio"/> Under         |
| SetPoint Value             | <input type="text" value="0.9"/> [Power Factor]<br>(*Range : 0.80 ~ 1.00) |
| Reactive Power Cospi(P)    |   |
| Cospi(P)                   | <input type="radio"/> Enable <input checked="" type="radio"/> Disable     |
| Cospi(P) Excited           | <input type="radio"/> Over <input checked="" type="radio"/> Under         |
| Reactive Power Q(SetPoint) |   |
| Q(SetPoint)                | <input type="radio"/> Enable <input checked="" type="radio"/> Disable     |
| Q(SetPoint) Excited        | <input type="radio"/> Over <input checked="" type="radio"/> Under         |
| SetPoint Value:            | <input type="text" value="0.000"/> [Q/S]<br>(* Range : 0 ~ 0.600)         |
| Reactive Power Q(U)        |   |
| Q(U)                       | <input checked="" type="radio"/> Enable <input type="radio"/> Disable     |
| X1: Voltage                | <input type="text" value="0.9"/> [Un]<br>(* Range : 0.9 / Fixed )         |
| Y1: Reactive               | <input type="text" value="-31.00"/> [%]<br>(* Range : -60.00 ~ 0.00)      |
| X2: Voltage                | <input type="text" value="0.9565"/> [Un]<br>(* Range : 0.9391 ~ 1.0000)   |
| Y2: Reactive               | <input type="text" value="0.0"/> [%]<br>(* Range : 0.00 / Fixed )         |
| X3: Voltage                | <input type="text" value="1.07826"/> [Un]<br>(* Range : 1.0217 ~ 1.1087)  |
| Y3: Reactive               | <input type="text" value="0.0"/> [%]<br>(* Range : 0.00 / Fixed )         |
| X4: Voltage                | <input type="text" value="1.1"/> [Un]<br>(* Range : 1.0609 ~ 1.1522)      |
| Y4: Reactive               | <input type="text" value="44"/> [%]<br>(* Range : 0.00 ~ 60.00)           |

In addition to these, it is allowed for the sustained over-voltage setting to be increased to 258V where it's needed to prevent nuisance tripping and reduce any frustration that customers may have after the inverter system is installed.

Western Power required volt-var settings from 9 August 2019

| Reference value | Required voltage value (volts) | Reactive power required of inverter rating (p.u.) | Var type                |
|-----------------|--------------------------------|---|-------------------------|
| V1              | 205                            | 0.3   | Var source or generator |
| V2              | 220                            | 0.0   | No Var                  |
| V3              | 235                            | 0.0   | No Var                  |
| V4              | 250                            | 0.3   | Var sink or load        |



| Grid Control   |                                   |
|----------------|-----------------------------------|
| 10 Min Voltage |                                   |
| Level          | 1.12 [Un] (* Range : 1.06 ~ 1.12) |

| Grid Control (Active)  |   |
|------------------------|---|
| Active Power SetPoint  |   |
| SetPoint               | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| SetPoint Value:        | 100 [%]<br>(* Range : 0 ~ 100)  |
| Active Power Frequency |   |
| X1: Frequency          | 49.00 [Hz]<br>(* Range : 47.00 ~ 49.00)                               |
| X2: Frequency          | 49.75 [Hz]<br>(* Range : 49.75 / Fixed)                               |
| X3: Frequency          | 50.25 [Hz]<br>(* Range : 50.25 / Fixed)                               |
| X4: Frequency          | 52.00 [Hz]<br>(* Range : 51.00 ~ 52.00)                               |
| Active Power Voltage   |   |
| Voltage                | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| X1: Voltage            | 0.9 [Un]<br>(* Range : 0.9 / Fixed)                                   |
| X2: Voltage            | 0.96 [Un]<br>(* Range : 0.93 ~ 1.00)                                  |
| X3: Voltage            | 1.09 [Un]<br>(* Range : 1.02 ~ 1.11)                                  |
| X4: Voltage            | 1.15 [Un]<br>(* Range : 1.06 ~ 1.15)                                  |

| Grid Control (Reactive)    |   |
|----------------------------|---|
| Reactive Power SetPoint    |   |
| SetPoint                   | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| SetPoint Excited           | <input type="radio"/> Over <input checked="" type="radio"/> Under     |
| SetPoint Value             | 0.9 [Power Factor]<br>(*Range : 0.80 ~ 1.00)                          |
| Reactive Power Cospi(P)    |   |
| Cospi(P)                   | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| Cospi(P) Excited           | <input type="radio"/> Over <input checked="" type="radio"/> Under     |
| Reactive Power Q(SetPoint) |   |
| Q(SetPoint)                | <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| Q(SetPoint) Excited        | <input type="radio"/> Over <input checked="" type="radio"/> Under     |
| SetPoint Value:            | 0.000 [Q/S]<br>(* Range : 0 ~ 0.600)                                  |
| Reactive Power Q(U)        |   |
| Q(U)                       | <input checked="" type="radio"/> Enable <input type="radio"/> Disable |
| X1: Voltage                | 0.9 [Un]<br>(* Range : 0.9 / Fixed)                                   |
| Y1: Reactive               | -30 [%]<br>(* Range : -60.00 ~ 0.00)                                  |
| X2: Voltage                | 0.9565 [Un]<br>(* Range : 0.9391 ~ 1.0000)                            |
| Y2: Reactive               | 0.0 [%]<br>(* Range : 0.00 / Fixed)                                   |
| X3: Voltage                | 1.02174 [Un]<br>(* Range : 1.0217 ~ 1.1087)                           |
| Y3: Reactive               | 0.0 [%]<br>(* Range : 0.00 / Fixed)                                   |
| X4: Voltage                | 1.08696 [Un]<br>(* Range : 1.0609 ~ 1.1522)                           |
| Y4: Reactive               | 30 [%]<br>(* Range : 0.00 ~ 60.00)                                    |

## MENU LIST

BMS Setting

Install Setting

Operating Test

- HSPV4601 8.0kWh  
- PMS S/W : P02.00.08  
Jun 5 2019 - 1P\_ESS

## Install Setting Menu

| Country / Region Information       |   |
|------------------------------------|---|
| S/N :                              | HSHF4601QAJ09001AB  |
| Country: <span>Australia</span> ▼  | Region: <span>Sydney</span> ▼   |
| <b>Country / Region Config</b>     |   |
| <b>SAVE and ReSTART</b>            |   |
| Product Information                |   |
| installed PV-1 Power:              | <input type="text" value="3300"/> [W]<br><small>* Range : 1000 ~ 3300 W;<br/>* "0" : the PV1 is not installed)</small>                            |
| installed PV-2 Power:              | <input type="text" value="3300"/> [W]<br><small>* Range : 1000 ~ 33000 W;<br/>* "0" : the PV2 is not installed)</small>                           |
| Feed In Limit percentage           | <input type="text" value="100"/> %<br><small>* Range : 0 ~ 100 (%)<br/>* 100 (%) means "No-Limit Feedin".<br/>* 0 (%) means "No Feedin".</small>  |
| Automatic Operation type           | <input checked="" type="radio"/> Smart Mode , <input type="radio"/> Basic Mode<br><small>(* The "Smart" type is more advanced Algorithm.)</small> |
| Sleep-Mode                         | <input type="radio"/> Enable <input checked="" type="radio"/> Disable   |
| Battery Count: <span>1</span> ▼    |   |
| PMS External Mode Enable           | <input checked="" type="radio"/> Enable <input type="radio"/> Disable   |
| Backup Mode(Generator Charge Only) | <input type="radio"/> Enable <input checked="" type="radio"/> Disable   |
| Server's IP-address and port       | IP: <input type="text" value="14.34.15.211"/>   Port: <input type="text" value="80"/>   |
| Smart Meter Selection              |   |
| Meter Type : <span>RS485</span> ▼  |   |
| D0 - Meter Model Selection         |   |
| D0-Bi/Feed-In                      | <span>EM112-DIN.AV0.1.X.S1.X(Gavazzi)</span> ▼  |

THANK YOU