

Trumpa instrukcija kaip nustatyti Huawei keitiklį pagal ESO reikalavimus

A1 elektrinė 30-100 kW

Galioja nuo 2023-05-19

Susirandame mus dominančią elektrinę, keitiklį:

Enter a keyword 🔍

--Select a device type--

- Photomate s.r.o.
- INV-

Device Information

Device Name:	INV-E	Device model:	SUN2000-1
Software Version:	V100	Modbus ID address:	1
Commissioned By:		Authentication Password:	

Pasirenkame tinklo nustatymų rinkinį EN50549-PL (Artimiausias pagal galimybes ESO reikalavimams)

Details | Alarms | Historical Information | **Configuration**

Grid Parameter

Grid code: EN50549-PL

Output mode: Three-phase four-wire system

On-grid recovery time (s): 60 [0~7200]

Grid reconnection voltage upper limit (V): 253.0 [230.0~312.8]

Grid reconnection frequency lower limit (Hz): 49.00 [40.00~50.00]

Frequency upper limit of on-grid startup (Hz): 50.10 [50.00~60.00]

Protection Parameters

Insulation resistance protection threshold (MQ): 0.037 [0.020~1.500]

Phase angle offset protection:

Active island protection: Enable

10 minute OV protection threshold (V):

Unbalance voltage protection threshold (%): 50.0 [0.0~50.0]

10 minute OV protection time (ms):

Set Refresh

Toliau mus domina tik raudonai apibraukti nustatymai. Reikia palikti sekančiai:

Grid parameters:

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400_2.0

Sunny Inverter

Grid code:

EN50549-PL

Voltage level (V):

230

[0~1000]

Device model (Hz):

50

[50~60]

Output mode:

Three-phase four-wire system

Isolation configuration:

Input not grounded, without a tran...

Automatic startup upon grid recovery:

Enable

On-grid recovery time (s):

60

[0~7200]

Quick startup for short-time grid disconnection:

Enable

Duration for determining short-time grid disconnection (ms):

3000

[500~20000]

Soft start time after grid failure (s):

600

[1~1800]

Grid reconnection voltage upper limit (V):

253.0

[230.0~312.8]

Grid reconnection voltage lower limit (V):

207.0

[103.5~230.0]

Grid reconnection frequency upper limit (Hz):

50.10

[50.00~60.00]

Grid reconnection frequency lower limit (Hz):

49.00

[40.00~50.00]

Voltage upper limit of on-grid startup (V):

253.0

[230.0~312.8]

Voltage lower limit of on-grid startup (V):

207.0

[103.5~230.0]

Frequency upper limit of on-grid startup (Hz):

50.10

[50.00~60.00]

Frequency lower limit of on-grid startup (Hz):

49.00

[40.00~50.00]

Protection Parameters

Insulation resistance protection threshold (MΩ):

0.037

[0.020~1.500]

Active island protection:

Enable

Unbalance voltage protection threshold (%):

50.0

[0.0~50.0]

Phase angle offset protection:

10 minute OV protection threshold (V):

10 minute OV protection time (ms):

Set

Refresh

Protection parameters:

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Protection Parameters

Insulation resistance protection threshold (MΩ):

0.037

[0.020~1.500]

Active island protection:

Enable

Unbalance voltage protection threshold (%):

50.0

[0.0~50.0]

Phase angle offset protection:

Disable

10 minute OV protection threshold (V):

275.0

[230.0~345.0]

10 minute OV protection time (ms):

600000

[50~7200000]

Level-1 OV protection threshold (V):

255.3

[230.0~345.0]

Level-1 OV protection time (ms):

600000

[50~7200000]

Level-2 OV protection threshold (V):

264.5

[230.0~345.0]

Level-2 OV protection time (ms):

200

[50~7200000]

Level-1 UV protection threshold (V):

193.2

[11.5~230.0]

Level-1 UV protection time (ms):

3000

[50~7200000]

Level-2 UV protection threshold (V):

184.0

[11.5~230.0]

Level-2 UV protection time (ms):

2900

[50~7200000]

Frequency change rate protection:

Enable

Frequency change rate protection threshold (Hz/s):

2.5

[0.1~5.0]

Frequency change rate protection time (s):

0.2

[0.2~20.0]

Level-1 OF protection threshold (Hz):

51.49

[50.00~60.00]

Level-1 OF protection time (ms):

1800000

[50~7200000]

Level-2 OF protection threshold (Hz):

51.50

[50.00~60.00]

Level-2 OF protection time (ms):

200

[50~7200000]

Level-1 UF protection threshold (Hz):

49.00

[40.00~50.00]

Level-1 UF protection time (ms):

1800000

[50~7200000]

Level-2 UF protection threshold (Hz):

47.49

[40.00~50.00]

Level-2 UF protection time (ms):

200

Level-3 UF protection threshold (Hz):

40.00

Level-3 UF protection time (ms):

100

Set

Refresh

Feature parameters:

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Feature Parameter

Communication interruption duration (min):

30

[1~120]

Automatic shutdown upon communication interruption:

Disable

Communication disconnection fail-safe:

Disable

Soft start time (s):

600

[1~1800]

Shutdown gradient (%/s):

50.000

[0.100~2500.000]

Shutdown at 0% power limit:

Disable

Delayed upgrade:

Disable

MPPT multi-peak scanning:

Disable

RCD enhancement:

Disable

AFCI:

Enable

Abnormal grounding shutdown:

Enable

PID operation mode:

Prohibited

?

HVRT:

Disable

LVRT:

Enable

LVRT trigger threshold (V):

184.0

[115.0~230.0]

LVRT K factor:

2.0

[0.0~10.0]

LVRT compensation power factor of reactive power in negative sequence:

2.0

[0.0~10.0]

LVRT reactive current limiting (%):

100

[0~120]

LVRT mode:

Reactive power priority mode

Total points of LVRT curve:

4

Point 1 time of LVRT curve (ms):

250

[0~60000]

Point 1 voltage percentage of LVRT curve (%):

5

[0~100]

Point 2 time of LVRT curve (ms):

250

[0~60000]

Point 2 voltage percentage of LVRT curve (%):

15

[0~100]

Point 3 time of LVRT curve (ms):

250

[0~60000]

Point 3 voltage percentage of LVRT curve (%):

15

[0~100]

Point 4 time of LVRT curve (ms):

3000

[0~60000]

Point 4 voltage percentage of LVRT curve (%):

85

[0~100]

Grid voltage protection shield during VRT:

Enable

VRT exit hysteresis threshold (%) :

[4.6~23.0]

Zero current due to power grid fault:

Disable

Voltage rise suppression:

Disable

Frequency regulation:

Disable

Overfrequency derating:

Enable

Cutoff frequency of overfrequency derating (Hz):

51.50

?

[40.00~60.00]

Cutoff power of overfrequency derating (%):

48

[0~100]

Trigger frequency of overfrequency derating (Hz):

50.20

?

[40.00~60.00]

Exit frequency of overfrequency derating (Hz):

50.20

?

[40.00~60.00]

Power recovery gradient of overfrequency derating (%/min):

10

[1~6000]

Underfrequency rise power:

Disable

Execution delay of frequency-based active power derating (ms):

0

[0~60000]

Off-grid mode:

Disable

Dry contact function:

NC

Set

Refresh

Power Adjustment:

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Power Adjustment

Remote power schedule: Enable	Schedule instruction valid duration (s): 0 [0~86400]	Active power change gradient (%/s): 125.000 [0.100~5000.000]
Fixed active power derating (W): 11000 [0~11000]	Active power percentage derating (%): 100.0 [-100.0~100.0]	Reactive power change gradient (%/s): 125.000 [0.100~5000.000]
Reactive power compensation (PF): 1.000 (-1.000~-0.800] U [0.800~1.000]	Reactive power compensation (Q/S): 0.000 [-1.000~1.000]	Reactive power curve adjustment: Q-U characteristic curve
Number of Q-U characteristic curve points: 4	U/Un value of 1st Q-U curve point (%): 91.0 [80.0~136.0]	Q/S value of 1st Q-U curve point: 0.436 [-0.600~0.600]
U/Un value of 2nd Q-U curve point (%): 95.0 [80.0~136.0]	Q/S value of 2nd Q-U curve point: 0.000 [-0.600~0.600]	U/Un value of 3rd Q-U curve point (%): 105.0 [80.0~136.0]
Q/S value of 3rd Q-U curve point: 0.000 [-0.600~0.600]	U/Un value of 4th Q-U curve point (%): 109.0 [80.0~136.0]	Q/S value of 4th Q-U curve point: -0.436 [-0.600~0.600]
Q-U characteristic curve mode: Non-hysteresis ring	Power percentage for triggering Q-U scheduling (%): 0 [-100~100]	Power percentage for exiting Q-U scheduling (%): 0 [-100~100]
Minimum PF of Q-U characteristic curve: 0.000 [0.000~1.000]	Max. active power (kW): 11.000 [0.100~11.000]	

Device maintenance

Set

Refresh

Nustatymus keičiant vietoje telefonu viskas taip pat.