

Trumpa instrukcija kaip nustatyti Huawei keitiklį pagal ESO reikalavimus

A0 elektrinė 10-29.99 kW

Galioja nuo 2023-05-19

Susirandame mus dominančią elektrinę, keitiklį:

Enter a keyword

--Select a device type--

Photomate s.r.o

INV-

Details | Alarms | Historical Information | Configuration

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)

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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:

Voltage level (V): 230 [0~1000]

Isolation configuration: Input not grounded, without a tran...

Quick startup for short-time grid disconnection: Disable

Grid reconnection voltage lower limit (V): 207.0 [103.5~230.0]

Voltage upper limit of on-grid startup (V): 253.0 [230.0~312.8]

Frequency lower limit of on-grid startup (Hz): 49.00 [40.00~50.00]

Device model (Hz): 50 [50~60]

Automatic startup upon grid recovery: Enable

Soft start time after grid failure (s): 600 [1~1800]

Grid reconnection frequency upper limit (Hz): 50.10 [50.00~60.00]

Voltage lower limit of on-grid startup (V): 207.0 [103.5~230.0]

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 Parameter

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:
Disable

10 minute OV protection threshold (V):
275.0 [230.0~345.0]

10 minute OV protection time (ms):
600000 [50~7200000]

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):
3000 [50~7200000]

Level-1 UV protection threshold (V):
193.2 [11.5~230.0]

Level-1 UV protection time (ms):
2900 [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 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 [50~7200000]

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.