# MPPT sizing calculator

Reset

Tracker 1 +

Victron module  Custom module

System voltage [V]:

24

Series:

2

Parallel:

4

Cable length [m]:

15

Cross-section [mm²]:

6

PV Module temperature [°C]:

Min:

-10

14 °F

Max:

70

158 °F

Power [Wp]:

400

Voc [V]:

41,2

Isc [A]:

12,28

Vmpp [V]:

34,2

Impp [A]:

11,7

V temp. coeff. [%/°C]:

-0,34

I temp. coeff. [%/°C]:

0,04

Features

Bluetooth Smart VE.Can Inverter AC charger

PV Connection

Terminals MC4

Other

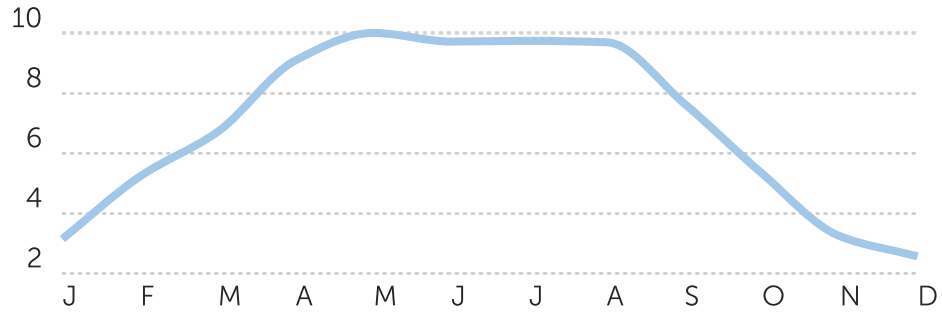
Allow oversizing above 130% (https://www.victronenergy.com/blog/2014/03/28/matching-victron-energy-solar-modules-to-the-new-mppt-charge-regulators/)

If you need advice, please contact your nearest dealer (https://www.victronenergy.com/where-to-buy)

City:

Osnabrück, Deutschland

**kWh** Forecasted daily yield




Disclaimer: Forecast only shows raw solar module yield. It does not account for your choice of MPPT configuration.

If you want to know more about matching a solar module to a Victron MPPT Solar Charger read this blog (https://www.victronenergy.com/blog/2014/03/28/matching-victron-energy-solar-modules-to-the-new-mppt-charge-regulators/)

## System calculations

**PV input voltage**

| | |
|---|---|
| PV max. voltage @ min. temperature | 92.2 V |
| PV min. voltage @ max. temperature | 51.5 V |

## Result

Share your config


SmartSolar MPPT 150/100 Tr VE.Can (https://www.victronenergy.com/solar-charge-controllers/smartsolar-mppt-ve.can)

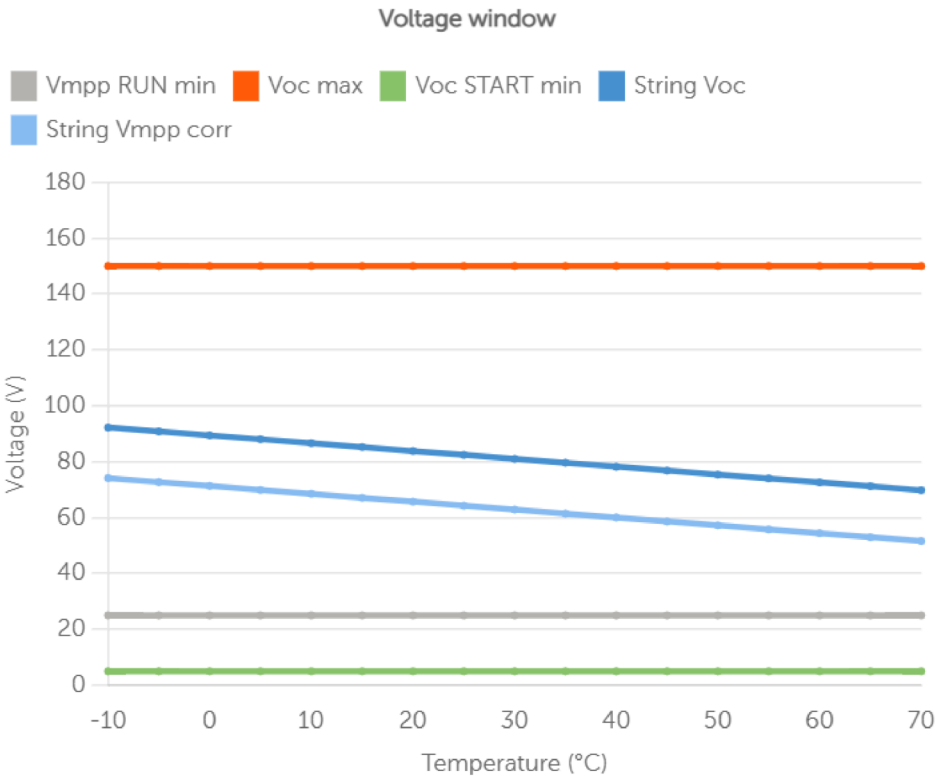
Article number: SCC115110411

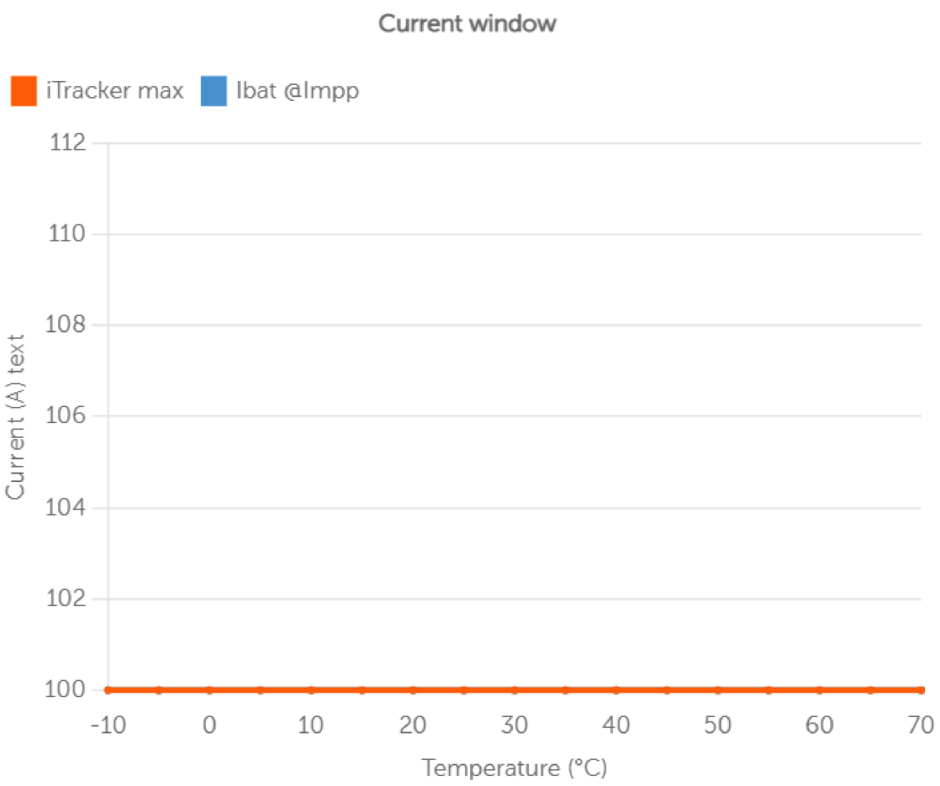
PV Connection: Terminals

- ✓ Bluetooth Smart (https://www.victronenergy.com/panel-systems-remote-monitoring/victronconnect)
- ✓ VE.Can (https://www.victronenergy.com/solar-charge-controllers/smartsolar-mppt-ve.can)

Calculations | Graphs

Where to buy (https://www.victronenergy.com/where-to-buy)




Current window
iTracker max
Ibat @Impp
112
110
108
106
104
102
100
Current (A) text
-10
0
10
20
30
40
50
60
70
Temperature (°C)