

PROJECT

Country	Germany
Project name	2021-07-11_2043

PV MODULE

Modul manufacturer	Trina Solar Energy
Model	TSM-400DE09 (Vertex S)
Min. / Max. module temperature	-10 °C / 70 °C
Add bifacial module gain	0%

INVERTER

Inverter type	Symo 20.0-3-M
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SUMMARY

Inverter ratio	96%	
Pmpp at 25 °C	19.60 kWp	
MPPT	PV1: 2x16	PV2: 1x17
Current Factor	1.00	

MPPT DETAILS

	PV1	PV2
String (str. x mod.)	2 x 16	1 x 17
Isc at 25 °C	24.56 A	12.28 A
Ump at 70 °C	473.04 V	502.61 V
Uoc at -10 °C	716.88 V	761.69 V
Ump at 25 °C	547.20 V	581.40 V
Pmpp at 25 °C	12.80 kWp	6.80 kWp
String fuses required	no	no
String combiner required	no	no
Loss of yield	no	no