

MPPT Calculator report

2 results



SmartSolar MPPT RS 450/100-Tr

Article number: SCC145110410

Connector: Terminals

- Bluetooth

System:

Max. output current:	100 A
Max. current @ MPP min. temp.:	100 A
Max. current @ MPP max. temp.:	100 A

String 1:

Max. input voltage:	450 V
Max. PV voltage @ min. temperature:	448.8 V
Min. input voltage @ MPP:	80 V
Min. PV voltage @ max. temperature:	265.2 V

Max. output current:	80 A
Max. current @ MPP min. temp.:	69.8 A
Max. current @ MPP max. temp.:	51.2 A

String 2:

Max. input voltage:	450 V
Max. PV voltage @ min. temperature:	448.8 V
Min. input voltage @ MPP:	80 V
Min. PV voltage @ max. temperature:	265.2 V

Max. output current:	80 A
Max. current @ MPP min. temp.:	69.8 A
Max. current @ MPP max. temp.:	51.2 A



SmartSolar MPPT RS 450/200-Tr

Article number: SCC145120410

Connector: Terminals

- Bluetooth

System:

Max. output current: 200 A
 Max. current @ MPP min. temp.: 139.7 A
 Max. current @ MPP max. temp.: 102.3 A

String 1:

Max. input voltage: 450 V
 Max. PV voltage @ min. temperature: 448.8 V
 Min. input voltage @ MPP: 80 V
 Min. PV voltage @ max. temperature: 265.2 V

Max. output current: 80 A
 Max. current @ MPP min. temp.: 69.8 A
 Max. current @ MPP max. temp.: 51.2 A

String 2:

Max. input voltage: 450 V
 Max. PV voltage @ min. temperature: 448.8 V
 Min. input voltage @ MPP: 80 V
 Min. PV voltage @ max. temperature: 265.2 V

Max. output current: 80 A
 Max. current @ MPP min. temp.: 69.8 A
 Max. current @ MPP max. temp.: 51.2 A

Solar configuration

String 1	
Module	custom
Series	10
Parallel	1
Min temperature [°C]	-20
Max temperature [°C]	85
Battery float voltage [V]	58.4
System voltage [V]	48
Power [Wp]	310
Voc [V]	40.02
Isc [A]	9.83
Vmpp [V]	33.12
Impp [A]	9.37
V temp. coeff. [%/°C]	-0.27
I temp. coeff. [%/°C]	0.04

String 2	
Module	custom
Series	10

Parallel	1
Min temperature [°C]	-20
Max temperature [°C]	85
Battery float voltage [V]	58.4
System voltage [V]	48
Power [Wp]	310
Voc [V]	40.02
Isc [A]	9.83
Vmpp [V]	33.12
Impp [A]	9.37
V temp. coeff. [%/°C]	-0.27
I temp. coeff. [%/°C]	0.04

For additional information you can go to:

<https://mppt.victronenergy.com/#djE7Y3VzdG9tLDEwLDEsNTguNCwtMjAsODUsNDgsOS4zNywwLjA0LDkuODMsMzEwLDMzLjEyLC0wLjI3LDQwLjAyLDIwLDY7Y3VzdG9tLDEwLDEsNTguNCwtMjAsODUsNDgsOS4zNywwLjA0LDkuODMsMzEwLDMzLjEyLC0wLjI3LDQwLjAyLDIwLDY=>