

Premium line



Article number: 231 480
Description: S 20-PP Al_{Silver}

Article number: 231 481
Description: S 20-PM Al_{Bronze}

Module

Module type: Premium module
Frame: Aluminium
Aluminium silver anodised: Similar to RAL 7035, light grey
Aluminium anodised bronze: Similar to RAL 8019, grey-brown
Size (W x H): 2152 x 240 mm
Frame height: 93 mm
Height of connecting box: 15 mm
Weight: 6.5 kg
Configuration: 34 cells
Cell connection arrangement: In series

Cell

Cell type: Polycrystalline
Colour: Light blue
Size: 125 x 125 mm
Horizontal gap between cells: 2 mm
Distance from edge horizontally: 30 mm
Distance from edge vertically: 30 mm
Strip conductors: Horizontal

Input and output values (STC: 1000 W/m²; 25°C; AM 1.5)

Nominal output: P_{MPP} 20 Wp
Output tolerance: -0/+5 %
Nominal voltage: U_{MPP} 17.34 V
Nominal current: I_{MPP} 1.16 A
Open-circuit voltage: U_{oc} 20.9 V
Short-circuit current: I_{sc} 1.22 A
Max. system voltage (SKL II): U_{sys} 600 V

Module design

Front glass: 3.2 mm
Space between cells: EVA with solar cells
Reverse: Tedlar bonding foil
Connection
Connecting box with bypass diodes.
Fitted connecting cable 1.5 / 1.5 m with MC-T3 plug system.

Packing unit 1

PV module: S 20-PP

The **S 20-PP** is a compact photovoltaic module for direct supply of 12 V consumers such as fans and motors.

It is used as part of SchücoSol V air collector technology as self-sufficient electricity supply for the DC fan.

Other use scenarios include:

- DC pumps
- DC small consumers

Quality features, certificates

- Performance guarantee: 25 years: 80% of P_{Min}
12 years: 90% of P_{Min}
- Each module is subjected to a 100% final inspection, with individual detection of the electrical values.
- Glass Tedlar modules in Schüco system frame
- Fitted connecting cables with MC-T3 connectors
- Polycrystalline silicon cells
- Frame available in aluminium oxidised shades or in RAL colours.
- DIN VDE protection class II
- DIN EN 61 215 (IEC 61 215)
- Individual detection of electrical values.