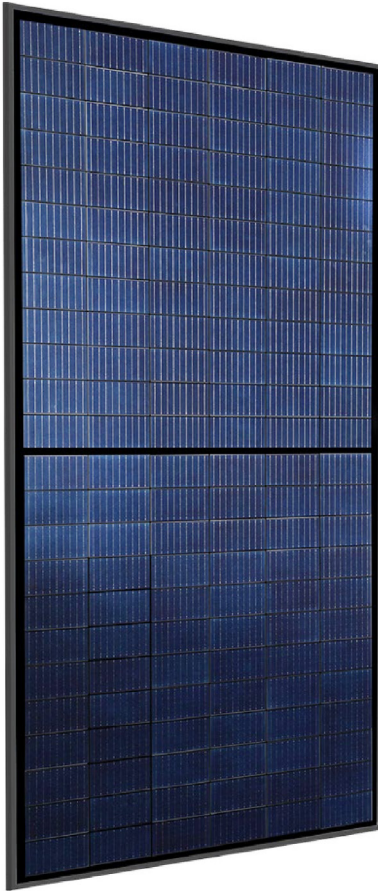


# DATA SHEET

## DG-450-B Photovoltaic Panel



Made in EU

### Main Features

Description

Solar photovoltaic panel glazed on both sides (double-glass), its effective area consists of bifacial halfcut solar cells. M6 BIFACIAL CELLS Halfcut cells are used in these panels, covered with tempered clear glass on both the top and back sides. Thanks to this, reflected sunlight also falls on the PV cells from the back, and the performance of the panel is thus increased by up to 25% depending on the arrangement and reflectivity of the surface under the panel.

Code

**20374**

### Technical Data

Max. power (Pmax)*	450 Wp
Voltage at maximum power	41.7 V
Current at maximum power	10.79 A
Short circuit current (Isc)	11.38 A
Open circuit voltage (Voc)	49.7 V
Panel efficiency	20.3 %
Maximum system voltage	1500 V DC (IEC)
Operating panel temperature	-40 °C to +85 °C
Maximum series fuse rating	20 A
Power tolerance	0/+5 W
Solar cell	Bifacial halfcut, 9BB
Number of cells	144 (6x24)
Dimensions	2111 x 1049 x 35 mm (with frame)
Weight	29 kg
Top/back glass thickness	2 mm tempered clear glass
Junction box	IP68 rated (three bypass diodes)
Output cables	4.0 mm <sup>2</sup> , symmetrical length (1130 mm)
Connectors	MC4 compatible
Fire safety class	Class C
Wind load	2400 Pa
Snow load	5400 Pa

\* The output is given only for sunlight falling on the top side of the panel.

### Temperature Data

Nominal operating cell temperature (NOCT)	45 ± 2 °C
Temperature coefficient Pmax	-0.36 %/°C
Temperature coefficient Voc	-0.29 %/°C
Temperature coefficient Isc	0.04 %/°C

Photovoltaic panels tested according to STC conditions – AM1.5 1000 W/m<sup>2</sup> 25°.

### Panel output in long-term operation

