

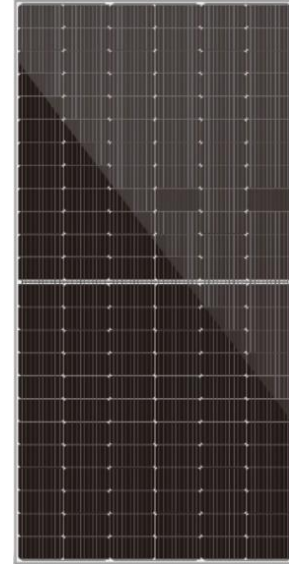
TECHNICAL DATASHEET

ref. 54062

535W SOLAR PANEL

Description

High-efficiency half-cell photovoltaic module.



Advantages

- ✓ With Multi Bus Bar technology
- ✓ Stability in performance
- ✓ Higher energy gains and lower losses
- ✓ More power generation thanks to a larger surface area
- ✓ Optimised and improved process to reduce the risk of hot spots
- ✓ High adaptability to environmental factors and high durability
- ✓ With PERC (*Passivated Emitter Rear Cell*) technology

Mechanical specifications

Cells type	Mono (Type-P), 182x91mm
Number of cells	144 (6x24)
Number of Bus Bars per photocell	10 Bus Bar
Glass	3.2mm high transmission, anti-reflective coating
Output cable (connector included)	Diameter: 4.0mm ² Length: 300/400mm (customisable length)
Junction box	IP68, 3 Bypass diodes
Connector	MC4 compatible
Dimension (LxWxH)	2256x1133x35mm
Weight	28.5kg

Performance specifications

Maximum system voltage	1000 V/1500V DC
Operating temperature	-40~+85°C
Maximum series fuse rating	25A
Snow load, front side	5400Pa
Wind load, back side	2400Pa
Nominal cell operating temperature	45°C±2°C
Application level	Class A

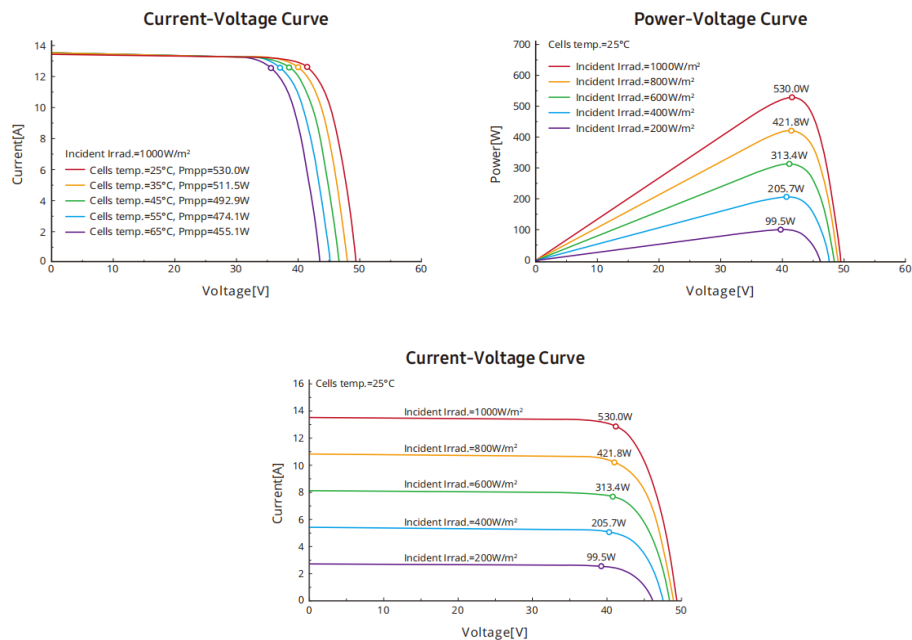
Electrical specifications STC (Standard Test Condition)

Maximum power	535W
Open-circuit voltage	49.6V
Maximum power voltage	41.8V
Short-circuit current	13.60A
Maximum power current	12.80A
Module efficiency	20.93%

Electrical specifications NOCT (Normal Operation Cell Temperature)

Maximum power	398W
Open-circuit voltage	46.5V
Maximum power voltage	39.2V
Short-circuit current	10.99A
Maximum power current	10.15A

I-V Curve



Packaging

Pallet size	2310x1115x1255mm
Packed	31pcs/pallet, 620pcs/40HQ
Total weight (pallet + 31 solar panels)	910kg

Measures

