



MWT Mono PERC Flexible Module Orion 200 Black



Light, Thin design

3.4kg weight, match various requirements for low-load projects



Full Black

All black design for more elegant applications



Ultra Flexible

Ultra-thin silicon wafers with advanced organic polymer encapsulation materials, minimum bending radius reach 0.30m, fit all kinds of curved surface perfectly



High Efficiency And Reliability

Busbar-free design increases cell conversion efficiency, more power output can be achieved at low irradiance conditions



Convenient Installation

Easy installation and convenient transportation with lower cost



Lead-free

Eco-friendly PV design achieves lead-free MWT module without soldering materials

SPEC/MODEL	Orion 200 Black
ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS(STC)	
Max-Power [W]	200
Power Tolerance [W]	0~+5
Max-Power Voltage [V]	19.8
Max-Power Current [A]	10.11
Open-Circuit Voltage [A]	23.9
Short-Circuit Current [A]	10.65
Effective Module Efficiency [%]	17.5
STC: AM=1.5, Irradiation 1000W/m ² , Module Temperature 25°C	
ELECTRICAL CHARACTERISTICS AT NOMINAL MODULE OPERATING TEMPERATURE (NMOT)	
Max-Power [W]	145
Max-Power Voltage [V]	18.3
Max-Power Current [A]	7.93
Open-Circuit Voltage [V]	22.0
Short-Circuit Current [A]	8.58
NMOT: Irradiation 800W/m ² , Ambient temperature 20°C, Wind Speed 1m/s	
TEMPERATURE COEFFICIENT	
Nominal Module Operating Temperature	43±2°C
Temperature coefficient of Pmax	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of Isc	0.06%/°C
MECHANICAL CHARACTERISTICS	
Installation Module Dimension (W*D*H)[mm]	900*2.5*1270
Weight [KG]	3.4
Back material	Back Sheet(black)
Cell (quantity / material / type / dimensions)	70(5×14) / Mono / 166*83mm / φ223mm
Frame	-
Junction box (protection degree)	IP68
Cable (length/cross-section area)	Customizable/ 4mm ²
Connector	MC4 Compatible