



  
**Mandarin Solar**  
Private Limited

Office Address : Mount Rd Ext, Mohan Nagar,  
Nagpur, Maharashtra  
[www.mandarinsolar.in](http://www.mandarinsolar.in)

# MONO PERC Bifacial

RS-M10-144-AAA( 545WP )

## Premium Black Panels

## Technical Specifications

Temperature Coefficient

**0.27% / °C**  
Voltage

**0.05% / °C**  
Current

**0.35% / °C**  
Power

Power (Pm) in Watts (nominal)	545(0±2%)
Open Circuit Voltage (Voc) in Volts	50
Short Circuit Current (Isc) in Amps	13.64
Voltage at Maximum Power (Vmp) in Volts	41.7
Current at Maximum Power (Imp) in Amps	13.07
Maximum System Voltage	1500V
Solar Cells per Module (Units)	144
Length x Width x Thickness (L x W x T) mm	2278X1134X40
Weight-Kg	32+
Area - Sq. M	2.58
Module EFF-%	22.1
Series Fuse Rating	25 A

### Construction Features

Type of cell :	MONO PERC,182 X 91mm 144 12x6/12x6
Glass :	3.2mm Tempered & Low Iron (ARC)
Encapsulate:	PID Free & UV Resistant
Frame:	Black Anodized Aluminum Alloy
Junction Box	IP68 Weather proof MC4 Connector
Cable/connector	IP68 Rated 0.4 / MC4 compatible

All electrical parameters specified at STC: 25°C cell temperature; 1000W/M2 irradiance; AM 1.5

### Warranty

12 Years Product Warranty

30 Years - power output warranty