




Mandarin Solar
Private Limited

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MONO PERC Bifacial

RS-M10-144-AAA(540WP)

Premium Black Panels

Technical Specifications

Temperature Coefficient

0.27% / °C
Voltage

0.05% / °C
Current

0.35% / °C
Power

| | |
|---|--------------|
| Power (Pm) in Watts (nominal) | 540(0±2%) |
| Open Circuit Voltage (Voc) in Volts | 49.9 |
| Short Circuit Current (Isc) in Amps | 13.58 |
| Voltage at Maximum Power (Vmp) in Volts | 41.6 |
| Current at Maximum Power (Imp) in Amps | 13 |
| 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-% | 21.9 |
| 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