

N - TYPE TECHNOLOGY

TOPCON Series

N- Type Bifacial G2G Modules

RS-M16-156-AAA(620-654WP) High Voltage Module
RS-M16-144-AAA (560-610WP)

610+ WP

Maximum Power Output

25.1%

Maximum Efficiency

0~+5W

Power Tolerance

Highlights

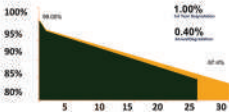
- Achieves up to a 30% increase in power generation relative to standard P-type modules
- LID-Free Technology for Sustained High Energy Output
- Consistently higher power generation, even in low-light and overcast environments.
- Optimized temperature coefficient ensures superior power output even under high ambient temperature conditions.
- Advanced Bifacial Conversion Factor: 80% ±5%

Delivers Reliable Performance Over Time

- Consistent, Long-Term Performance You Can Trust
- State-of-the-Art Fully Automated Manufacturing with Industry-Leading Technology
- Best-in-Class Build Quality Ensuring Exceptional Durability and Reliability

Linear Performance Warranty

■ Mandarin Solar Linear Warranty ■ ITO Linear Warranty

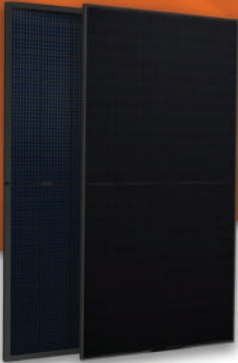


All electrical parameters specified at STC: 25°C cell temperature; 1000W/M2 irradiance; AM 1.5

Warranty

12 Years Product Warranty

30 Years - power output warranty



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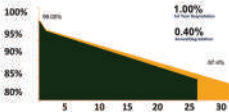
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MODEL	RS 144MB 600	RS 156MB 620
Power (Pm) in Watts (nominal)	600(0±2%)	620(0±2%)
Open Circuit Voltage (Voc) in Volts	54.81	55.41
Short Circuit Current (Isc) in Amps	13.95	14.23
Voltage at Maximum Power (Vmp) in Volts	45.36	45.76
Current at Maximum Power (Imp) in Amps	13.23	13.55
Maximum System Voltage	1500V	1500V
Solar Cells per Module (Units)	144	156
Length x Width x Thickness (L x W x T) mm	2278X1134X40	2278X1134X40
Weight-Kg	32+	32+
Area - Sq. M	2.58	2.79
Module EFF-%	24.22	23.20
Series Fuse Rating	30 A	30 A

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Warranty

15 Years Product Warranty

15 Years - power output warranty