

Technology Performance

SINGLE CELL

Electrical Performance		
Standard Test Condition [STC]: 1000W/m ² , AM1.5, 25°C		
Power-to-Weight	W/kg	1437
Power (Outdoor)	W/m ²	250
Power (Indoor, 200 Lux LED)	μW/cm ²	15

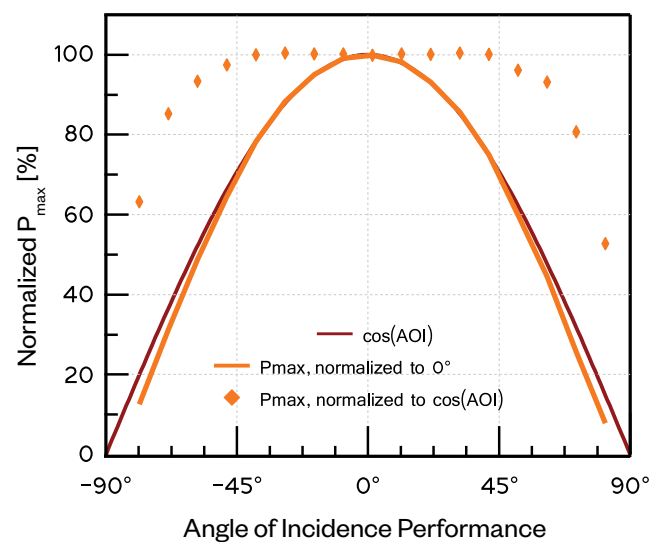
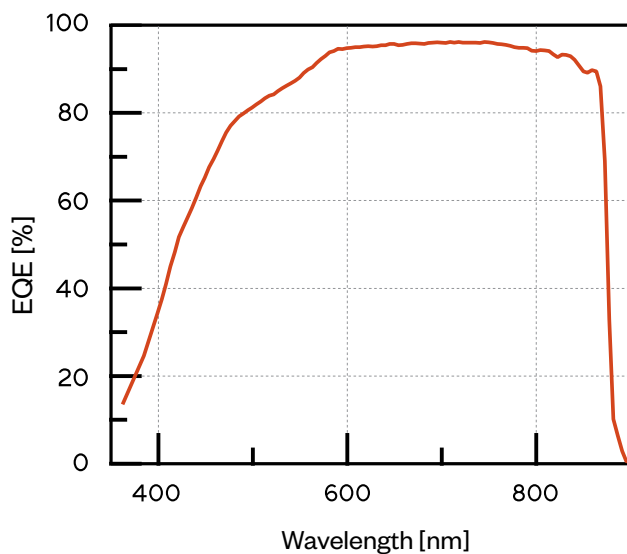
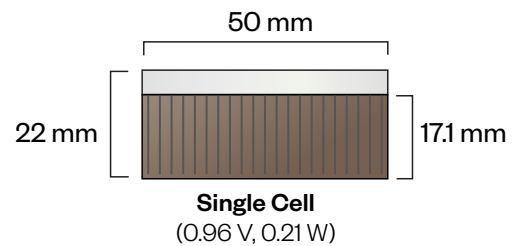
Single Cell Electrical Specifications		
Efficiency	[%]	26
Power	[W]	0.21
Max Power Voltage	[V]	0.96
Max Power Current	[A]	0.22
Open Circuit Voltage	[V]	1.1
Short Circuit Current	[A]	0.23

Temperature Coefficients		
Voltage	[%/°C]	-0.187
Current	[%/°C]	+0.084
Power	[%/°C]	-0.095

*Percent change per °C from 25 °C

Physical Properties		
Area Density	[g/m ²]	174
Flexibility		2 cm radius of curvature

Appearance and Dimensions		
Material		Gallium Arsenide
Surface and Color		Textured, dark blue – black
Dimensions (Aperture Area)	[mm]	50 x 17.1
Front	[-]	Front ribbon
Back	[+]	Back ribbon



MODULE

Electrical Performance and Physical Properties

Lightweight Module Key Specifications

Standard Test Condition [STC]: 1000W/m², AM1.5, 25°C

Area Density	[g/m ²]	284
Power-to-Weight	[W/kg]	880
Power Density	[W/m ²]	250

Heavy Duty Module Key Specifications

Standard Test Condition [STC]: 1000W/m², AM1.5, 25°C

Area Density	[g/m ²]	840
Power-to-Weight	[W/kg]	298
Power Density	[W/m ²]	250

High Altitude Performance

Lightweight Module Key Specifications

Standard Test Condition: 1366W/m², -20° C

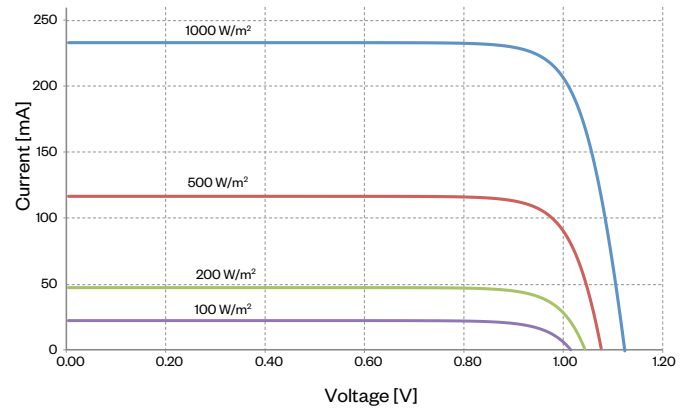
Area Density	[g/m ²]	300
Power-to-Weight	[W/kg]	935
Power Density	[W/m ²]	280
Open Circuit Voltage Per Cell	[V]	1.1
Short Circuit Current Per Cell	[A]	0.244

Indoor Performance Key Specifications

Indoor test conditions [ITC]: 200 LUX, 2700K LED, 25°C

Power Density	μW/cm ²	15
Power per Cell	[μW]	130
Max Power Voltage Per Cell	[V]	0.75
Max Power Current Per Cell	[μA]	170
Open Circuit Voltage Per Cell	[V]	0.9
Short Circuit Current Per Cell	[μA]	190

Single Cell Performance Outdoors



Single Cell Performance Indoors

