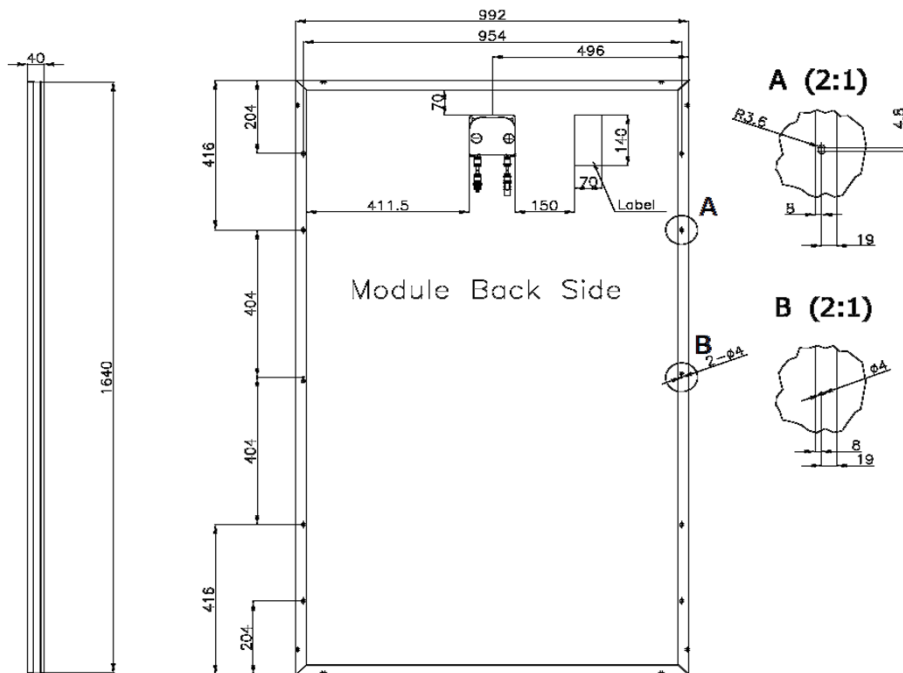




**MM60-6KET Series**  
**6" Mono-crystalline Solar Cell, 6x10pcs**



Unit: in [mm]

## Product Characteristics

### Physical Specifications

Dimension [L x W x H]	64.57 x 39.06 x 1.57in (1640 x 992 x 40mm)
Module Area	17.55 sq. ft (1.63 m <sup>2</sup> )
Weight	39.68 lb (18.0 Kg)

### Electrical Characteristics: Performance at STC\*1

Model Type	MM60-6KET-240	MM60-6KET-245	MM60-6KET-250	MM60-6KET-255	MM60-6KET-260	MM60-6KET-265
Peak Power Rating, Pmax	240W	245W	250W	255W	260W	265W
Power Tolerance	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W
Peak Power Voltage, Vmp	29.33	29.45	29.56	29.67	30.12	30.28
Peak Power Current, Imp	8.19	8.34	8.5	8.61	8.74	8.78
Open Circuit Voltage, Voc	36.89	37.07	37.19	37.3	37.87	38.06
Short Circuit Current, Isc	8.74	8.83	8.91	8.97	9.1	9.15
Module Efficiency	14.72%	15.03%	15.34%	15.64%	15.95%	16.26%

Model Type	MM60-6KET-270	MM60-6KET-275	MM60-6KET-280	MM60-6KET-285	MM60-6KET-290
Peak Power Rating, Pmax	270W	275W	280W	285W	290W
Power Tolerance	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W	-0 / +5W
Peak Power Voltage, Vmp	30.58	30.84	31.1	31.37	31.63
Peak Power Current, Imp	8.87	8.97	9.06	9.16	9.25
Open Circuit Voltage, Voc	38.44	38.75	39.08	39.4	39.73
Short Circuit Current, Isc	9.24	9.33	9.41	9.49	9.58
Module Efficiency	16.56%	16.87%	17.18%	17.48%	17.79%

\*STC: Standard Test Condition, 1000W/m<sup>2</sup>, AM 1.5, 25 °C

### Packing Specifications

Modules Per Carton	12pcs/Carton
Modules Per Pallet	24pcs/Pallet (=2 Cartons/Pallet)
Pallet Dimension [L x W x H]	66.3 x 44.7 x 43.9 in (1685 x 1134 x 1114 mm)
Pallet Weight	1134 Lbs (514Kg)
20ft Container Capacity (pcs)	288
40ft Container Capacity (pcs)	672

### System Integration Parameter & Safety Rating

Maximum System Voltage (U.S. & Canada)	600VDC
Maximum System Voltage Area Not in the U.S. & Canada)	1000VDC (According to Norms in Each Area)
Series Fuse Rating	15A
Fire Safety Class	Class C
Application Class	Class A (Safety Class II)
Environmental Operating Temperature (°F, °C)	-40 to 185°F, -40 to 85 °C

### Limited Warranty\*\*\*

Product	10Years
90% Output Power	10Years
80% Output Power	25Years

\*\*\*For details, please read our warranty letter.

### Component materials

Cell Qty per Module	60pcs
Cell Type	Mono-crystalline Silicon
Cell Dimensions	6 x 6 in (156 x 156 mm)
Laminate Construction	Front: Tempered Glass Encapsulation: Solar Cells Embedded in EVA (Ethylene-Vinyl-Acetate) Rear: Tedlar Color of back sheet: White
Glass	Low-Iron Tempered Glass Standard thickness: 0.126in (=3.2mm) (>0.126in (=3.2mm), ex. 0.157in (=4mm) or above, custom-made possible.)
Junction Box	IP65, Kit with Solar Cables & Connectors, TÜV Certified & UL Listed
Bypass Diodes	3pcs, TÜV Certified & UL Listed
Cable	Solar Cable x2 (Kit with Junction Box & Connector) Cable Length: 39.37/39.37in. (1000/1000mm) Wire Size: AWG #12, 4.0mm <sup>2</sup> , TÜV Certified & UL Listed
Connector	Yukita Connectors, x2 (Male Coupler x1 + Female Coupler x1) MC4 Connectors (Optional), x2 (Male Coupler x1 + Female Coupler x1) TÜV Certified & UL Listed
Frame	Anodized Aluminum Frame. Color: Silver or Black

### Thermal Characteristics

NOCT (Nominal Operating Cell Temperature) °F, °C	115.70°F, 46.50°C
Temperature Coefficient TK I <sub>sc</sub> (Short Circuit Current) α	+0.086%/°C
Temperature Coefficient TK V <sub>oc</sub> (Open Circuit Voltage) β	-0.288%/°C
Temperature Coefficient TK P <sub>max</sub> (Peak Power) γ	-0.403%/°C