

# 160 W Modul

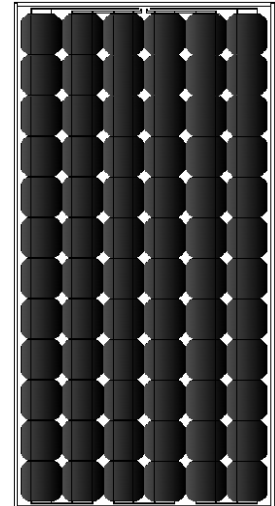
## 160 Mono-Si PV Solar Module

### ◆Features

- High-efficient solar cells
- High transmissivity low-iron toughened glass
- Water resistant junction box
- Anodized aluminum frame

### ◆Electrical Characteristics

MONO or POLY	MONO
Maximum power (Wp)	160
Maximum power voltage (V)	35
Maximum power current (A)	4.58
Open circuit voltage (V)	43
Short circuit current (A)	5.11
Number of cells (Pcs)	72
Size of module (mm)	1581×811
Brand Name of Solar Cells	ULICA
Maximum system voltage (V)	715
Temperature coefficients of Isc (%)	$\alpha(Isc)+0.03\%/^{\circ}C$
Temperature coefficients of Voc (%)	$\beta(Voc)-0.32\%/^{\circ}C$
Temperature coefficients of Pm (%)	$\gamma(Pm)-0.5\%/^{\circ}C$
Temperature coefficients of Im (%)	$\alpha(Isc)+0.03\%/^{\circ}C$
Temperature coefficients of Vm (%)	$\beta(Voc)-0.32\%/^{\circ}C$
Temperature Range	-40°C~80°C
Tolerance Wattage (e.g. +/-5%)	160±5%
Surface Maximum Load Capacity	60m/s(200kg/sq.m)
Allowable Hail Load	270g Steel Boll fall From 1m height
Weight per piece (kg)	17
Junction Box Type	IP65AIV YUKITA
Connectors and Cables Type	YUKITA 3.5m m <sup>2</sup>
Length of Cables (mm)	0.9m
Cell Efficiency (%)	15.1%
Module Efficiency (%)	12.6%
Output tolerance (%)	±5%
Frame (Material, Corners, etc.)	ALUMINUM ALLOY
Backing (Brand, type)	ISOVOLTA icosolar 2442 0.17mm*810mm
Cell casement	
Standard Test Conditions	AM1.5 1000W/m <sup>2</sup> 25°C
Warranty	2 years
FF (%)	73-75%
Packing	2PCS/CTN , 16CTN/ PALLET



# 165 W Modul

## 165 Mono-Si PV Solar Module

### ◆Features

- High-efficient solar cells
- High transmissivity low-iron toughened glass
- Water resistant junction box
- Anodized aluminum frame

### ◆Electrical Characteristics

MONO or POLY	MONO
Maximum power (Wp)	165
Maximum power voltage (V)	35
Maximum power current (A)	4.72
Open circuit voltage (V)	43
Short circuit current (A)	5.19
Number of cells (Pcs)	72
Size of module (mm)	1581×811
Brand Name of Solar Cells	ULICA
Maximum system voltage (V)	715
Temperature coefficients of Isc (%)	$\alpha(\text{Isc})+0.03\%/^{\circ}\text{C}$
Temperature coefficients of Voc (%)	$\beta(\text{Voc})-0.32\%/^{\circ}\text{C}$
Temperature coefficients of Pm (%)	$\gamma(\text{Pm})-0.5\%/^{\circ}\text{C}$
Temperature coefficients of Im (%)	$\alpha(\text{Isc})+0.03\%/^{\circ}\text{C}$
Temperature coefficients of Vm (%)	$\beta(\text{Voc})-0.32\%/^{\circ}\text{C}$
Temperature Range	-40°C~80°C
Tolerance Wattage (e.g. +/-5%)	165±5%
Surface Maximum Load Capacity	60m/s(200kg/sq.m)
Allowable Hail Load	270g Steel Boll fall From 1m height
Weight per piece (kg)	17
Junction Box Type	IP65AIV YUKITA
Connectors and Cables Type	YUKITA 3.5m m <sup>2</sup>
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Module Efficiency (%)	12.9%
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Backing (Brand, type)	ISOVOLTA icosolar 2442 0.17mm*810mm
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