

# SPH 72E

**72 Cells**

Mono Perc Module

**350 ~ 380W**

Power Output Range

**19.6%**

Maximum Efficiency

**0 ~ +5W**

Positive Power Tolerance



## Key Features



### High Mechanical Loads of Wind and Snow

Certified to bear 2,400Pa wind load, and 5400Pa snow load



### 100% EL Double Inspection

Defect-free in module-level



### Excellent Low Light Performance

On cloudy days and mornings



### 25 Years Linear Warranty of Power Output

Plus 10 years product warranty



### Highly Resistant to Salt-mist Corrosion

IEC-61701,Ed 2.0 certified



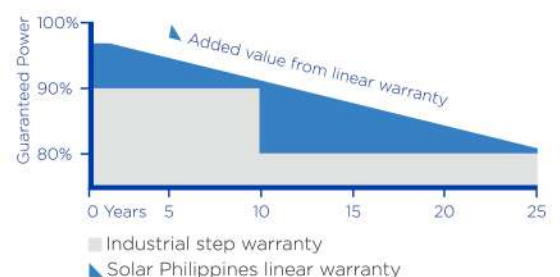
### Resistant to Ammonia Corrosion

IEC-62716 certified



### Resistant to PID (Potential Induced Degradation) effect

Qualified cell & materials lead to 60°C, 85%RH-1000V, 96hr certified, IEC 62804



# 72 CELLS

## Mono Perc Module

### ELECTRICAL DATA (STC)

Pmpp	350	355	360	365	370	375	380
Voltage at Maximum Power (Vmpp/V)	39.5	39.7	39.9	40.0	40.1	40.3	40.4
Current at Maximum (Impp/A)	8.9	9.0	9.0	9.1	9.2	9.3	9.4
Open Circuit Voltage (Voc/V)	47.5	47.7	47.9	48.1	48.3	48.5	48.6
Short Circuit Current (Isc/A)	9.6	9.6	9.7	9.7	9.8	9.9	9.9
Module Efficiency (%)	18.03	18.30	18.55	18.81	19.07	19.33	19.58

STC (Standard Test Condition): Irradiance of 1000W/m<sup>2</sup>, AM1. 5G and cell temperature (25±2)°C

### ELECTRICAL DATA (NOCT)

Pmpp	261	265	268	272	276	279	283
Voltage at Maximum Power (Vmpp/V)	36.2	36.4	36.6	36.7	36.8	37.0	37.1
Current at Maximum (Impp/A)	7.2	7.3	7.3	7.4	7.5	7.6	7.6
Open Circuit Voltage (Voc/V)	44.8	45.0	45.2	45.4	45.6	45.7	45.9
Short Circuit Current (Isc/A)	7.7	7.7	7.8	7.8	7.9	7.9	8.0

NOCT (Nominal Operating Cell Temperature): 800W/m<sup>2</sup>, (20±2)°C, wind speed 1m/s

### MECHANICAL DATA

Solar cells	Mono Perc 156 x 156mm ( 6"square )
Cell connection	72 cells ( 6 x 12 )
Module dimension (mm / inch)	1956 x 992 x 40mm / 77.01" x 39.06" x 1.57"
Weight (kg / lb)	22 / 48.46 ( approx.)
Glass	High transparency tempered glass 3.2mm ( 0.13" )
Frame	Anodized aluminum alloy
J-Box	IP - 68, 3 diodes
Cables	Length 1,000mm * diameter 4mm <sup>2</sup> each
Connector	MC4 compatible
Packaging configuration	26pcs / pallet

### TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	42°C ( ±2°C )
Temperature Coefficient of Pmpp	-0.45% / °C
Temperature Coefficient of Voc	-0.33% / °C
Temperature Coefficient of Isc	0.05% / °C

### MAXIMUM RATINGS

Operational Temperature	-40" + 85°C
Maximum System Voltage	1000V DC (IEC)
	1000V DC (UL)
Max Series Fuse Rating	15A

### WARRANTY

25 years on Performance Linear Warranty  
10 years on Limited Product Warranty

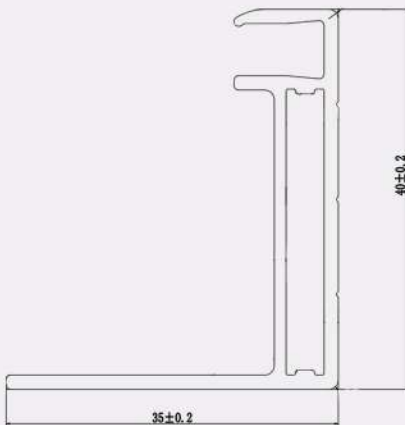
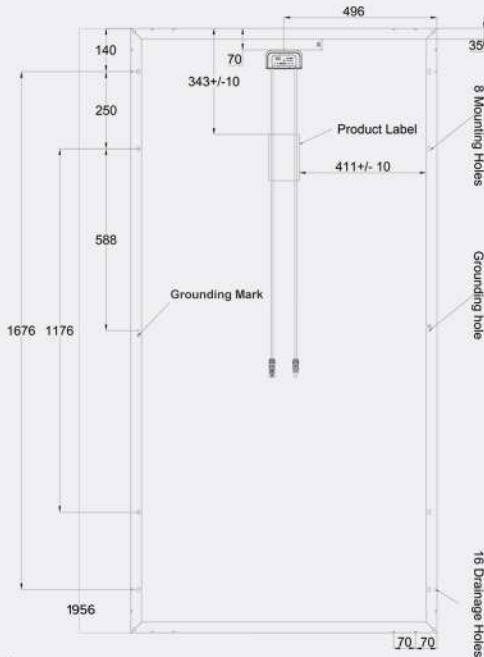
### Certificates



Management System  
ISO 9001:2015



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P - V Curve per Irradiance Level

