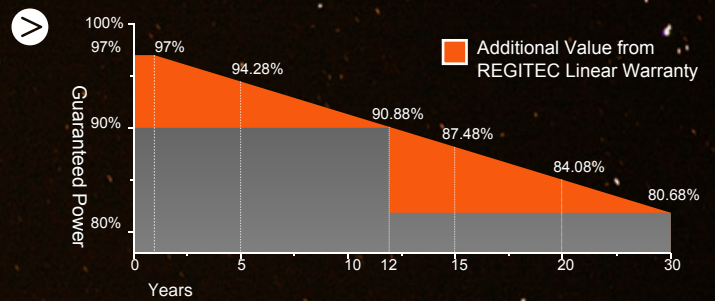


➤ **RPH72-405~425S1**
405~425 Watt

Poly 166mm 144Cells PV Module

➤ **25** years product warranty

30 years performance warranty



➤ **PRODUCT FEATURE**

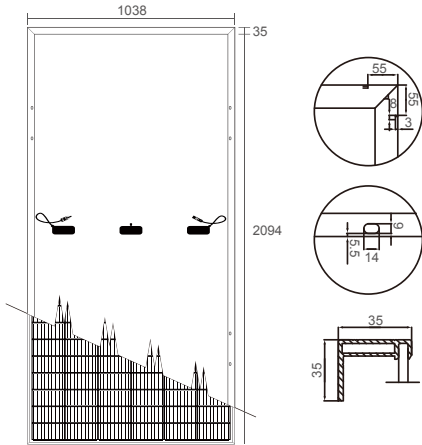
- High transmissivity, low-iron tempered glass.
- Using high efficiency poly solar cells
- Excellent performance in low-light environments
- High quality junction box and connector systems
- 100% inspection, to guarantee the reliability of solar systems
- Anti LID
- Anti PID
- Lower temperature coefficient
- Quality RFID Tracking

➤ **MANAGEMENT SYSTEM**

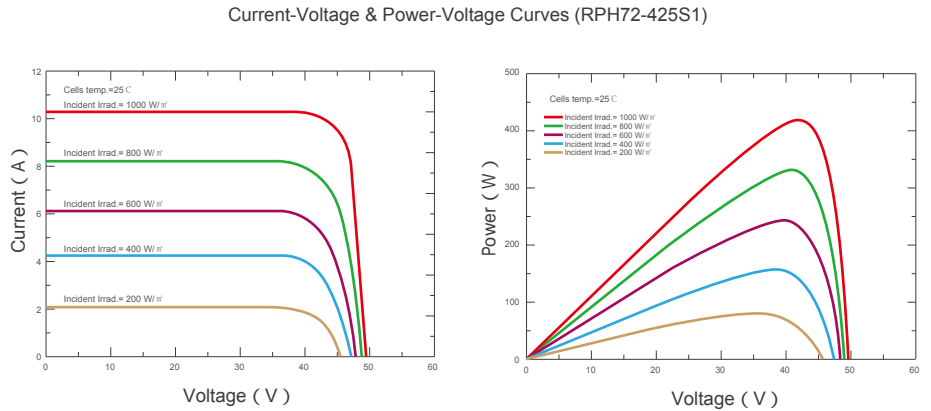
- ISO 9001 :**
Quality management system
- ISO 14001 :**
Standard for environmental management system
- OHSAS 18001 :**
International standard for occupational health and safety assessment system

➤ **PRODUCT CERTIFICATES**



Dimension Drawing


All Dimensions in mm
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact REGITEC.

I-V Graph

Electrical Characteristics (STC/NOCT)

Module Type	RPH72-405S1		RPH72-410S1		RPH72-415S1		RPH72-420S1		RPH72-425S1	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	405	307	410	311	415	314	420	318	425	322
Open Circuit Voltage - Voc(V)	48.32	45.54	48.66	45.89	49.00	46.25	49.34	46.60	49.44	46.94
Short- Circuit Current - Isc(A)	10.65	8.62	10.71	8.66	10.76	8.70	10.82	8.73	10.92	8.77
Voltage at Pmax - Vmp(V)	40.26	37.95	40.55	38.25	40.83	38.54	42.12	38.83	41.20	39.12
Current at Pmax - Imp(A)	10.06	8.08	10.11	8.12	10.16	8.16	10.22	8.19	10.32	8.23
Module Efficiency -ηm(%)	18.63	/	18.86	/	19.09	/	19.32	/	19.55	/
Power Tolerance(W)	(0, +4.99W)									
Maximum System Voltage(V)	1000Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	20A									

STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

NOCT : Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	2094x1038x35mm
Weight	23.3kg
Solar Cells	Polycrystalline 166x83mm (2x72pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 500mm (+), 500mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Packing Configuration

	2094x1038x35mm	
Container	20'GP	40'HQ
Pieces per Pallet	31	33
Pallets per Container	5	22
Pieces per Container	155	726

Temperature Characteristics

Pmax Temperature Coefficient	-0.320%/°C
Voc Temperature Coefficient	-0.260%/°C
Isc Temperature Coefficient	+0.054%/°C
Operating Temperature	-40 ~ +85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C