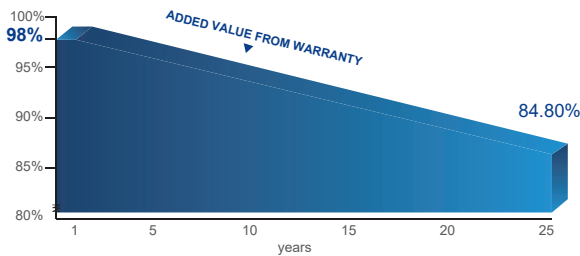


# QSOLAR

## 330~450W

### MONO Half Cell Module 166 Series

**Classic** QS(330-370)-120HM6  
 QS(400-450)-144HM6



- 25** 25-year Warranty for Extra Linear Power Output
- 12** 12-year Warranty for Materials and Processing (1<sup>st</sup> year ≤ 2.0%, 2<sup>nd</sup>~25<sup>th</sup> years ≤ 0.55% / year)

### COMPREHENSIVE CERTIFICATES

IEC61215/IEC61730/IEC61701/IEC62716  
 ISO9001:Quality Management System



### FEATURES

- +5W** **OUTPUT POSITIVE TOLERANCE**  
 Guaranteed 0~+5W positive tolerance ensures power output reliability.
- INNOVATIONAL HALF-CELL TECHNOLOGY**  
 Improves the module output, decreases the risk of micro-crack, enhances the module reliability.
- INNOVATIVE PERC CELL TECHNOLOGY**  
 Excellent cell efficiency and output.
- REDUCE SHADOW LOSS**  
 Effectively reduces the effect of shadow on the module surface.
- REDUCE INTERNAL MISMATCH LOSS**  
 Reduces mismatch loss and improves output.
- PASSED HAIL TEST**  
 Certified to hail resistance: ice ball size (d=25mm) and ice ball velocity
- PID RESISTANCE**  
 Excellent PID resistance at 96 hours (@85 C /85%) test, and also can be improved to meet higher standards for the particularly harsh environment.



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URL

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 Ningbo Quality Electronic Co., Ltd  
 宁波望春工业区科茂路312号  
 Add: 312 Kemao Road, Wangchun Industrial  
 Park, 315000, Ningbo China

ITEM	QS360-120HM6		QS370-120HM6		QS440-144HM6		QS450-144HM6	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max.Power(Pmax)	360	268.8	370	276.3	440	328.6	450	336.1
Opt.Operating Current(Imp)	10.59	8.49	10.76	8.63	10.71	8.59	10.85	8.70
Opt.Operating Voltage(Vmp)	34.00	31.70	34.40	32.00	41.00	38.30	41.50	38.60
Short Circuit Current(Isc)	10.35	9.17	11.52	9.32	11.46	9.27	11.60	9.38
Open Circuit Voltage(Voc)	40.50	38.00	40.90	38.30	48.90	45.80	49.30	46.20
Module Efficiency	19.76%		20.31%		20.24%		20.70%	
Module Power Tolerance	0/±5W							
Operating Temperature	-40°C~+85°C							
Max.System Voltage	1000V/1500V DC(IEC)							
Max.Series Fuse Rating	20A							
Application Level	A							
STC	Irradiance 1000W/m <sup>2</sup> ,Cell temperature25°C,Spectrum AM1.5							
NOCT	Irradiance 800W/m <sup>2</sup> ,Cell temperature20°C,Spectrum AM1.5,Wind speed 1m/s							

MECHANICAL DATA	QS360-120HM6	QS370-120HM6	QS440-144HM6	QS450-144HM6
Cell Type	166*166mm Monocrystalline,9BB	166*166mm Monocrystalline,9BB	166*166mm Monocrystalline,9BB	166*166mm Monocrystalline,9BB
Cell Arrangement	120 (6*10+6*10)	120 (6*10+6*10)	144 (6*12+6*12)	144 (6*12+6*12)
Dimensions	1755*1038*35mm	1755*1038*35mm	2094*1038*35mm	2094*1038*35mm
Weight	19.5kg±3%	19.5kg±3%	23.5kg±3%	23.5kg±3%
Front Glass	3.2mm,High transmission,low iron,tempered glass			
Frame	Anodized aluminum alloy			
J-Box	IP67,3diodes			
Cable	TUV(2pfg1169:2007)4.0mm <sup>2</sup> (0.006inchesm <sup>2</sup> ),(-)300/1100mm(43.3inches)and(+ )300/1100mm(43.3inches)			
Connector	MC4			

## PACKING SPECIFICATION

Item	20GP	40HQ	17.5M	Single Package(40HQ,2PCS/CTN)
1755*1038*35mm	/	871PCS	1470PCS	860PCS
2094*1038*35mm	/	737PCS	1238PCS	732PCS

## MODULE DIMENSION DETAILS

## CURVE

