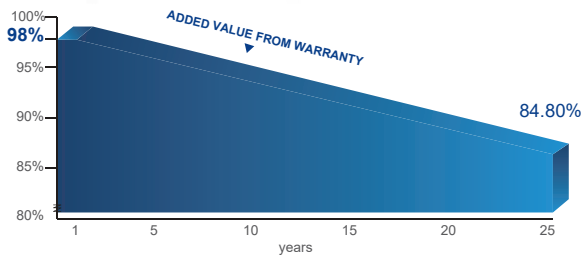


QSOLAR

430~545W

MONO Half Cell Module 182 Series

Classic QS(430-450)-120HM8
 QS(515-545)-144HM8



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

COMPREHENSIVE CERTIFICATES

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



FEATURES



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.



www.qsolar.com.cn



Wechat



Whatsapp



URL

宁波康立特电子有限公司
 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

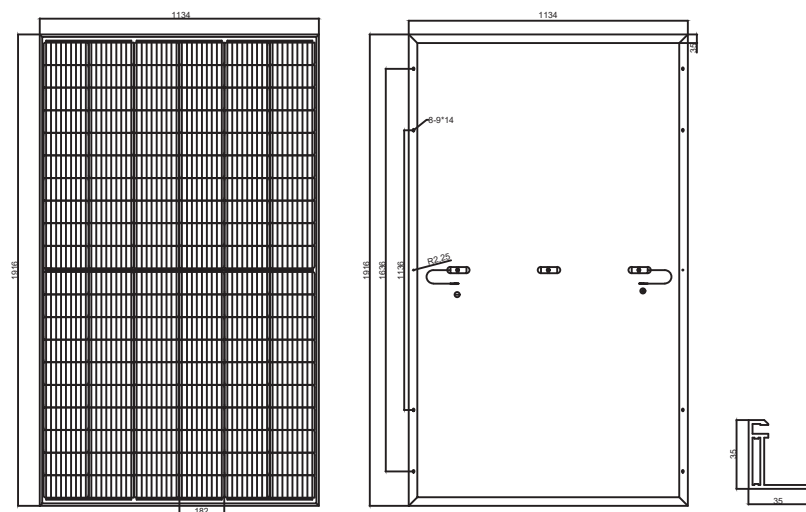
ITEM	QS430-120HM8		QS440-120HM8		QS535-144HM8		QS545-144HM8	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max.Power(Pmax)	430	322	440	329	535	397.7	545	405.1
Opt.Operating Current(Imp)	12.85	10.28	13.01	10.40	12.84	10.30	13.00	10.41
Opt.Operating Voltage(Vmp)	33.73	31.36	33.95	31.60	41.60	38.62	41.93	38.93
Short Circuit Current(Isc)	13.53	10.93	13.69	11.06	13.61	10.97	13.81	11.13
Open Circuit Voltage(Voc)	40.83	38.53	41.05	38.75	49.50	46.36	49.90	46.73
Module Efficiency	19.79%		20.25%		20.93%		21.32%	
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 ² ,Cell temperature25°C,Spectrum AM1.5							
NOCT	Irradiance 800W/m ² ,Cell temperature20°C,Spectrum AM1.5,Wind speed 1m/s							

MECHANICAL DATA	QS430-120HM8	QS440-120HM8	QS535-144HM8	QS545-144HM8
Cell Type	182*182mm Monocrystalline,9BB/10BB	182*182mm Monocrystalline,9BB/10BB	182*182mm Monocrystalline,9BB/10BB	182*182mm Monocrystalline,9BB/10BB
Cell Arrangement	120 (6*10+6*10)	120 (6*10+6*10)	144 (6*12+6*12)	144 (6*12+6*12)
Dimensions	1916*1134*35mm	1916*1134*35mm	2256*1133*35mm	2256*1133*35mm
Weight	24.5kg±3%	24.5kg±3%	28.4kg±3%	28.4kg±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 ² (0.006inchesm ²),(-)300/1100mm(43.3inches)and(+)300/1100mm(43.3inches)			
Connector	MC4			

PACKING SPECIFICATION

Item	20GP	40HQ	17.5M	Single Package(40HQ,2PCS/CTN)
1916*1134*35mm	/	768PCS	1332PCS	760PCS
2256*1133*35mm	/	640PCS	1110PCS	644PCS

MODULE DIMENSION DETAILS



CURVE

