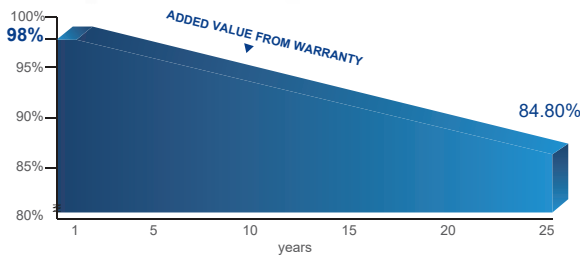


QSOLAR

430~550W

MONO Half Cell Module 182 Series

- Classic** QS(395-410)-108HM8
 QS(430-450)-120HM8
 QS(515-550)-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.



LOWER OPERATING TEMPERATURE

Lower operating temperature and temperature coefficient increases the power output



DURABILITY AGAINST EXTREME ENVIRONMENTAL CONDITIONS

High salt mist and ammonia resistance.



ENHANCED MECHANICAL LOAD

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



REDUCE INTERNAL MISMATCH LOSS

Reduces mismatch loss and improves output.



REDUCE SHADOW LOSS

Effectively reduces the effect of shadow on the module surface.



PID RESISTANCE

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



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	QS410-108HM8		QS430-120HM8		QS440-120HM8		QS545-144HM8		QS550-144HM8	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Max.Power(Pmax)	410	309.55	430	322	440	329	545	405.1	550	410
Opt.Operating Current(Imp)	13.51	12.76	12.85	10.28	13.01	10.40	13.00	10.41	13.32	10.64
Opt.Operating Voltage(Vmp)	30.35	28.67	33.73	31.36	33.95	31.60	41.93	38.93	41.28	38.46
Short Circuit Current(Isc)	14.18	13.40	13.53	10.93	13.69	11.06	13.81	11.13	14.01	11.32
Open Circuit Voltage(Voc)	37.21	35.15	40.83	38.53	41.05	38.75	49.90	46.73	49.80	47.00
Module Efficiency	21.17%		19.79%		20.25%		21.32%		21.40%	
Module Power Tolerance	0/±5W									
Operating Temperature	-40°C~+85°C									
Max.System Voltage	1500V DC-(H)									
Max.Series Fuse Rating	20A									
Application Level	A									
STC	Irradiance 1000W/m²,Cell temperature25°C,Spectrum AM1.5									
NOCT	Irradiance 800W/m²,Cell temperature20°C,Spectrum AM1.5,Wind speed 1m/s									

MECHANICAL DATA	QS410-108HM8	QS430-120HM8	QS440-120HM8	QS545-144HM8	QS550-144HM8
Cell Type	182*182mm Monocrystalline,P/N Type	182*182mm Monocrystalline,9BB/10BB			
Cell Arrangement	108 (6*9+6*9)	120 (6*10+6*10)	120 (6*10+6*10)	144 (6*12+6*12)	144 (6*12+6*12)
Dimensions	1708*1134*35mm	1916*1134*35mm	1916*1134*35mm	2256*1133*35mm	2279*1134*35mm
Weight	20.0kg±3%	24.5kg±3%	24.5kg±3%	28.4kg	29.4kg
Front Glass	3.2mm,High Transmission,Low Iron,Tempered Glass				
Frame	Anodized aluminum alloy				
J-Box	IP68				
Cable	TUV(2pfg 1169:2007)4.0mm²(0.006inches²),(-)300/1100mm(43.3inches)and(+)300/1100mm(43.3inches)				
Connector	MC4				

PACKING SPECIFICATION

Item	20GP	40HQ	17.5M	Single package (40HQ,2PCS/CTN)
1708*1134*35mm	312PCS	806PCS	1560PCS	840PCS
1916*1134*35mm	/	744PCS	1332PCS	760PCS
2256*1133*35mm	/	620PCS	1110PCS	644PCS
2279*1134*35mm	260PCS	620PCS	1170PCS	640PCS

MODULE DIMENSION DETAILS

