

Mono 210 110 HALF CELLS 535-560W



HALF-CELL MONOFACIAL MODULE

TYPE: QSM-HXXXW - C55/S

POWER OUTPUT **535-560W** MAX EFFICIENCY **21.4%**

Features



High module conversion efficiency
Module efficiency up to **21.4%** achieved through advanced cell technology and manufacturing process



Lower operating temperature
Lower operating temperature and temperature coefficient increases the power output



Extended wind and snow load tests
Module certified to withstand extreme wind (**2400 Pascal**) and snow loads (**5400 Pascal**) *

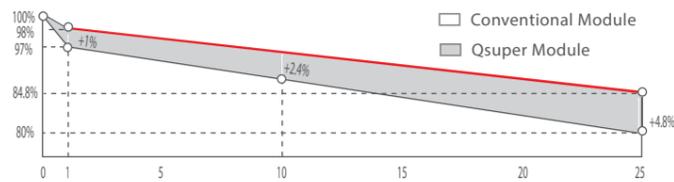


Withstanding harsh environment
Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline



Excellent weak light performance
More power output in weak light condition, such as cloudy, morning and sunset

Industry-leading Warranty **



- ◆ First year power degradation: 2%
- ◆ Annual degradation: 0.55%
- ◆ 25 years of linear warranty
- ◆ 12 years of product warranty

Certifications and Standards



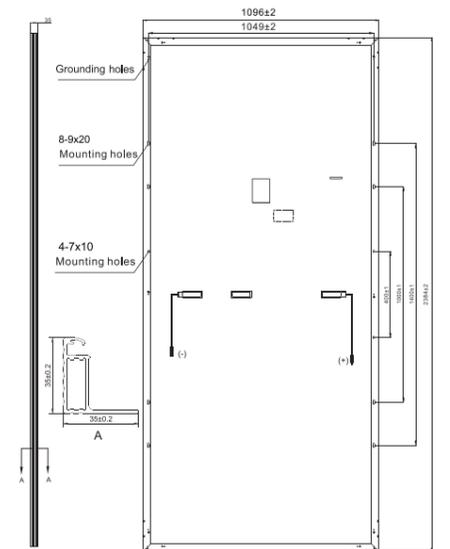
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Mechanical Characteristics

Solar Cell	Monocrystalline silicon 210 mm x105 mm
No. of Cells	110 (5 × 22)
Dimensions	2384 × 1096 × 35 mm
Weight	29 kgs
Front Glass	3.2 mm (0.126 inches) fully tempered glass
Output Cables	4.0 mm ² , (-) 350 mm (+) 230 mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500 V DC (IEC)
Maximum Series Fuse Rating	30 A
Power Tolerance	0/+5 W



Electrical Characteristics

Module Type	QSM-H560W - C55/S		QSM-H555W - C55/S		QSM-H550W - C55/S		QSM-H545W - C55/S		QSM-H540W - C55/S		QSM-H535W - C55/S	
	STC	NMOT										
Maximum Power (Pmax/W)	560	424.3	555	420.5	550	416.7	545	412.8	540	409.0	535	405.3
Optimum Operating Voltage (Vmp/V)	38.68	35.97	38.46	35.77	38.24	35.56	38.02	35.36	37.78	35.14	37.58	34.95
Optimum Operating Current (Imp/A)	18.38	15.07	18.33	15.03	18.28	14.99	18.23	14.95	18.18	14.91	18.13	14.87
Open Circuit Voltage (Voc/V)	32.26	29.94	32.06	29.75	31.86	29.57	31.66	29.38	31.46	29.19	31.26	29.01
Short Circuit Current (Isc/A)	17.37	14.17	17.32	14.13	17.27	14.09	17.22	14.05	17.17	14.01	17.12	13.97
Module Efficiency (%)	21.4		21.2		21.0		20.9		20.7		20.5	

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Temperature Characteristics

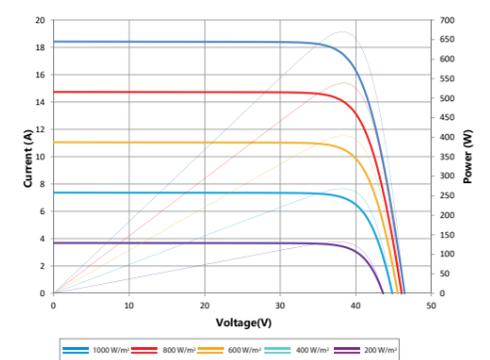
Nominal Module Operating Temperature (NMOT)	44 ± 2 °C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.040%/°C

Packing Configuration

Container	40' HQ
Pieces per pallet	31
Pallets per container	20
Pieces per container	620
Packaging box dimensions	2395x1120x1235 mm
Packaging box weight	1140 kg

Graphs

Current-Voltage & Power-Voltage Curve (6705)



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