





High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (2400 Pa).



A RELIABLE INVESTMENT

Inclusive 12-year product warranty and 25-year linear performance warranty¹.

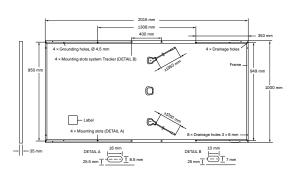
THE IDEAL SOLUTION FOR:







 $^{^{\}mbox{\tiny 1}}$ See data sheet on rear for further information.



ELECTRICAL CHARACTERISTICS

PO	WER CLASS			385	390	395	400	405
MIN	IIMUM PERFORMANCE AT STANDARD	TEST CONDITIO	NS, STC1 (P	OWER TOLERANCE	+5W/-0W)			
	Power at MPP¹	P _{MPP}	[W]	385	390	395	400	405
mum	Short Circuit Current ¹	I _{sc}	[A]	10.13	10.18	10.22	10.27	10.31
	Open Circuit Voltage ¹	V _{oc}	[V]	47.79	48.05	48.31	48.57	48.83
Mini	Current at MPP	I _{MPP}	[A]	9.52	9.56	9.61	9.65	9.70
_	Voltage at MPP	V _{MPP}	[V]	40.44	40.78	41.11	41.44	41.77
	Efficiency ¹	η	[%]	≥19.1	≥19.4	≥19.6	≥19.9	≥20.1
MIN	IIMUM PERFORMANCE AT NORMAL O	PERATING CON	DITIONS, NN	1OT ²				
	Power at MPP	P _{MPP}	[W]	288.3	292.1	295.8	299.6	303.3
E	Short Circuit Current	I _{sc}	[A]	8.16	8.20	8.24	8.27	8.31
nju	Open Circuit Voltage	V _{oc}	[V]	45.05	45.30	45.55	45.79	46.04
Ē	Current at MPP	I _{MPP}	[A]	7.47	7.50	7.54	7.57	7.61
	Voltage at MPP	V _{MPP}	[V]	38.62	38.94	39.25	39.57	39.88

 $^{1}\text{Measurement tolerances P}_{\text{MPP}}\pm3\%; \text{I}_{\text{SC}}; \text{V}_{\text{OC}}\pm5\% \text{ at STC}: 1000 \text{W/m}^{2}, 25\pm2\text{°C}, \text{AM 1.5 according to IEC } 60904-3 \cdot ^{2}800 \text{W/m}^{2}, \text{NMOT}, \text{spectrum AM 1.5 } 1000 \text{W/m}^{2}, \text{NMOT}, \text{Spectrum AM 1.5 } 1000 \text{W/m}^{2}, \text{NMOT}, \text{NMOT}, \text{Spectrum AM 1.5 } 1000 \text{W/m}^{2}, \text{NMOT}, \text{NMO$

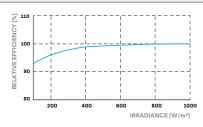
Q CELLS PERFORMANCE WARRANTY

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At least 97% of nominal power during first year. Thereafter max. 0.6% degradation per year. At least 92% of nominal power up to 10 years. At least 83% of nominal power up to 25 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.

PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25 $^{\circ}\text{C}, 1000\,\text{W/m}^2\text{)}.$

TEMPERATURE COEFFICIENTS							
Temperature Coefficient of I _{SC}	α	[%/K]	+0.04	Temperature Coefficient of Voc	β	[%/K]	-0.27
Temperature Coefficient of P _{MPP}	γ	[%/K]	-0.35	Normal Module Operating Temperature	NMOT	[°C]	43±3

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage	V_{SYS}	[V]	1500 (IEC)/1500 (UL)	Safety Class	II
Maximum Reverse Current	I _R	[A]	20	Fire Rating based on ANSI / UL 1703	C/TYPE 1
Max. Design Load, Push / Pull		[Pa]	3600/1600	Permitted Module Temperature	-40°C - +85°C
Max. Test Load, Push / Pull		[Pa]	5400/2400	on Continuous Duty	

QUALIFICATIONS AND CERTIFICATES

PACKAGING INFORMATION

IEC 61215:2016; IEC 61730:2016, Application Class II; This data sheet complies with DIN EN 50380.







Number of Modules per Pallet	29			
Number of Pallets per Trailer (24t)	24			
Number of Pallets per 40' HC-Container (26t)	22			
Pallet Dimensions (L × W × H)	2080 × 1150 × 1190 mm			
Pallet Weight	727kg			

Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

Hanwha Q CELLS GmbH

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