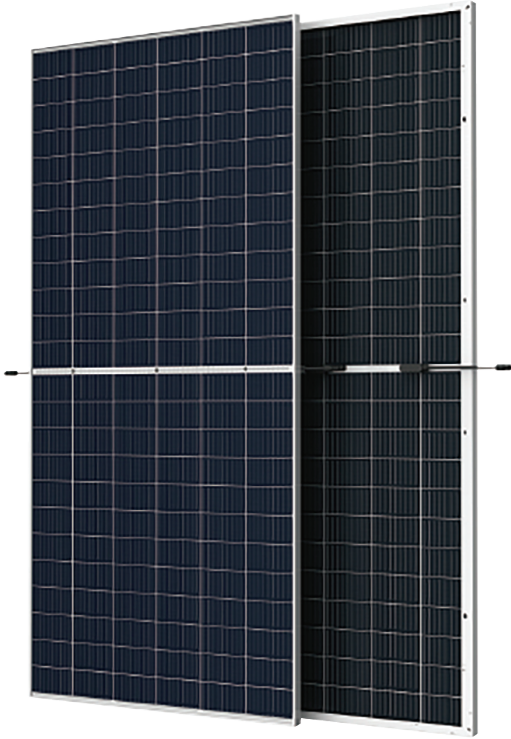


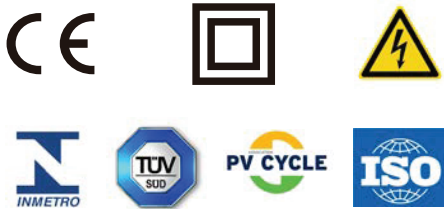
Bifacial PERC Half Cut Mono Crystalline Solar Module QPM-540/545/550/555/560S-transparent backsheet



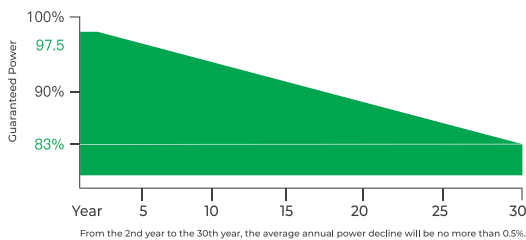
KEY FEATURES

-  Excellent module efficiency up to: 21.30%
-  IP68 junction box for long-term weather endurance
-  Heavy snow load up to 5400 Pa, wind load up to 3600 Pa
-  PID: selected material and stringent quality system ensure PID free
-  Applicable to harsh environment of deserts, farmlands and seashores
-  Much lower risk of Hot Spot



CERTIFICATE



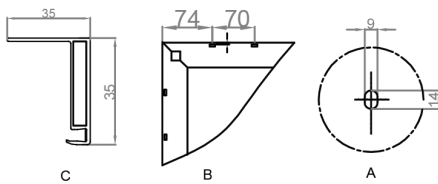
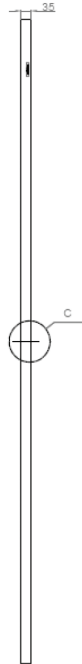
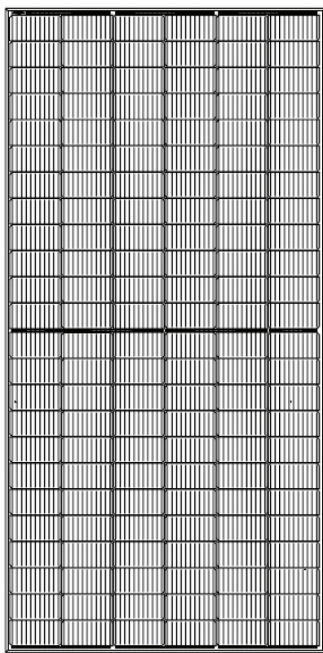
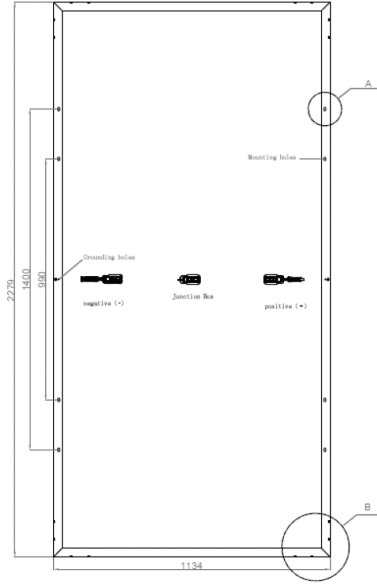
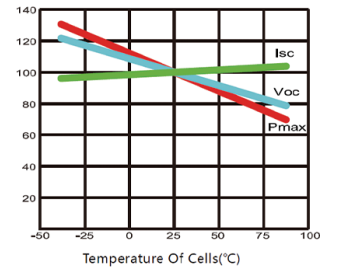
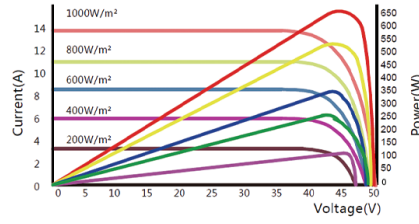
30 Years Power Output Warranty



WARRANTY

-  Linear power output warranty
 - 12 years minimum 92% power output
 - 30 years minimum 83% power output
-  Product warranty on materials and workmanship According to the applicable QPower Limited Warranty Statement

IV CURVE



ELECTRICAL SPECIFICATION	Unit	QPM-540S	QPM-545S	QPM-550S	QPM-555S	QPM-560S
Maximum Power (Pmax)	W	540	545	550	555	560
Module Efficiency	%	20.9	21.1	21.3	21.4	21.6
Open Circuit Voltage (Voc)	V	49.55	49.70	49.85	49.90	50.10
Short Circuit Current (Isc)	A	13.85	13.91	13.97	14.05	14.11
Maximum Power Voltage (Vmp)	V	41.70	41.85	42.00	42.15	42.19
Maximum Power Current (Imp)	A	12.95	13.03	13.10	13.17	13.27
Maximum System Voltage	V	ICE 1500VDC/UL1500(VDC)				
Maximum Series Fuse Rating	A	25				

ELECTRICAL DATA@NOCT	QPM-540S	QPM-545S	QPM-550S	QPM-555S	QPM-560S
Pmax [W]	402	405	409	413	417
Vmp [V]	38.08	38.25	38.42	38.59	38.75
Imp [A]	10.55	10.60	10.65	10.70	10.76
Pmax [V]	46.65	46.74	46.84	46.94	47.04
Isc [A]	11.19	11.26	11.33	11.39	11.45

NOCT: Irradiance: 800W/m², Ambient Temperature: 20°, Air Mass: 1.5, Wind Speed: 1 m/s

MECHANICAL SPECIFICATIONS	
Solar Cell Type	Mono Crystalline 182*91 mm
Number of Cells	144pcs (24x6)
Module Size	2279x1134x35 mm
Weight	28.5 kg
Glass	3.2 mm tempered glass
Back Sheet	transparent
Frame	silver
Junction Box	IP68
Quantity of Diodes	3 pcs
Cable	4.0 mm ² 1100 mm
Connector	MC4 Compatible
Wind/Snow Load	3600pa/5400pa

TEMPERATURE CHARACTERISTIC	
NMOT (Nominal Module Operating Temperature)	41°C (±3°C)
Temperature Coefficient of P _{max}	-0.36%/°C
Temperature Coefficient of U _{oc}	-0.26%/°C
Temperature Coefficient of I _{sc}	0.04%/°C

MAXIMUM RATINGS	
Operational Temperature	-40 to +85°C
Maximum System Voltage	1500VDC(IEC)
Max Series Fuse Rating	20A
Snow Loading	5400 Pa
Wind Loading	2400 Pa

*design load with safety factor 1.5
(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

PACKAGING CONFIGURATION	
Modules per box:	31 pieces
Modules per 20GP:	186 pieces
Modules per 40' HQ:	620 pieces