



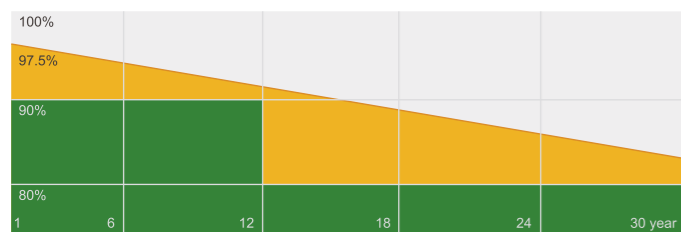
**710W** MAXIMUM POWER OUTPUT  
**22.9%** MAXIMUM EFFICIENCY  
**210mm** SOLAR CELL

### Introduction

Assembled with high-efficiency Multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, better temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.

### Superior Warranty

- 15-year product warranty
- 30-year power warranty
- 0.45% annual power consumption



■ Linear Power Warranty ■ Industry Warranty

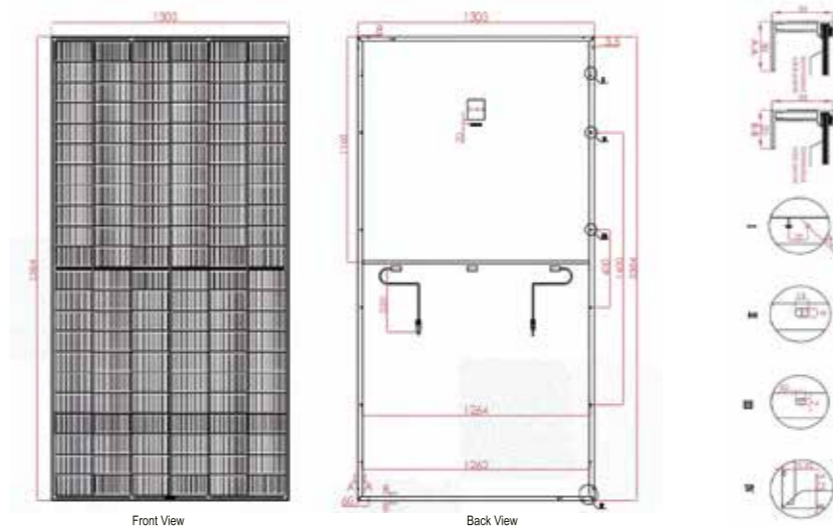
- Higher output power
- Less shading effect
- Lower temperature coefficient
- Better mechanical loading tolerance

### Comprehensive Certificates

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems



### MECHANICAL DIAGRAMS



### SPECIFICATIONS

Cell	210mm half cut
Weight	33.5kg±3%
Dimension	2384±2mmx1303±2mmx35mm/30mm
Glass	3.2mm <sup>2</sup> low-iron tempered suede glass
No. of cells	132(6x22)
Junction Box	IP≥68,3diodes
Cable&Connector	4mm <sup>2</sup> ,EVO2 or EVO2 compatible
Modules Per Pallet	31/36pieces
Modules Per 40HQ	566/658pcs

### ELECTRICAL PARAMETERS AT STC

TYPE	685W	690W	695W	700W	705W	710W
Maximum Power Pmax(W)	685	690	695	700	705	710
Maximum Power Voltage Vpm(V)	38.8	39	39.2	39.4	39.6	39.8
Maximum Power Current Imp(A)	17.66	17.7	17.74	17.78	17.82	17.86
Open Circuit Voltage Voc(V)	44.94	45.14	45.34	45.54	45.74	45.94
Short Circuit Voltage Isc(A)	18.74	18.76	18.79	18.81	18.83	18.85
Module Efficiency (%)	22.1	22.2	22.4	22.5	22.7	22.9
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α_Isc)	+0.042%/°C					
Temperature Coefficient of Isc(β_Isc)	-0.262%/°C					
Temperature Coefficient of Pmax(γ_Pmp)	-0.362%/°C					
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, AM1.5G					

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types. Measurement tolerance at STC: Pmax ±3 %, Voc ±2% and Isc ±4%.

### ELECTRICAL PARAMETERS AT NOCT

TYPE	-685	-690	-695	-700	-705	-710	OPERATING CONDITIONS
Maximum Power Pmax(W)	520	524	528	532	536	540	Maximum System Voltage 1000/1500V DC(IEC)
Maximum Power Voltage Vpm(V)	36.3	36.5	36.7	36.9	37.1	37.3	Operating Temperature -40°C ~+85°C
Maximum Power Current Imp(A)	14.39	14.43	14.47	14.51	14.55	14.59	Maximum Series Fuse 30/35A
Open Circuit Voltage Voc(V)	42.39	42.59	42.79	42.99	43.19	43.39	Maximum Static Load,Front 5400Pa, 1.5
Short Circuit Voltage Isc(A)	15.12	15.16	15.2	15.24	15.28	15.32	Maximum Static Load,Back 2400Pa, 1.5
Irradiance 800W/m <sup>2</sup> , ambient temperature 20°C, wind speed 1m/s, AM1.5G							NOCT 45±2°C
							Application Class Class A

### CHARACTERISTICS

