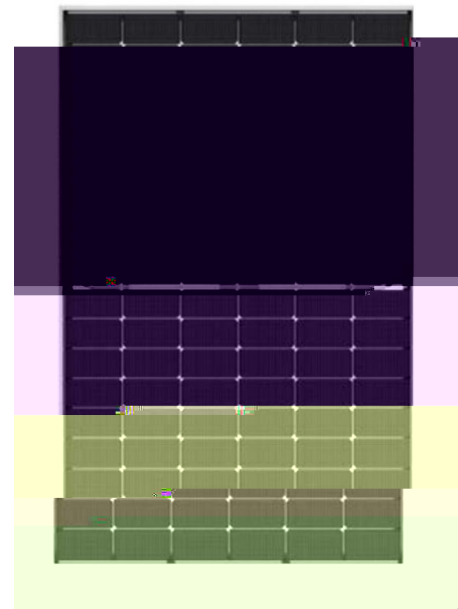
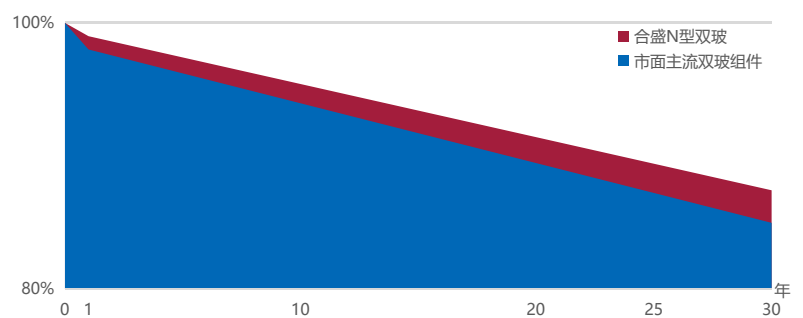


Maximum module efficiency



12

30



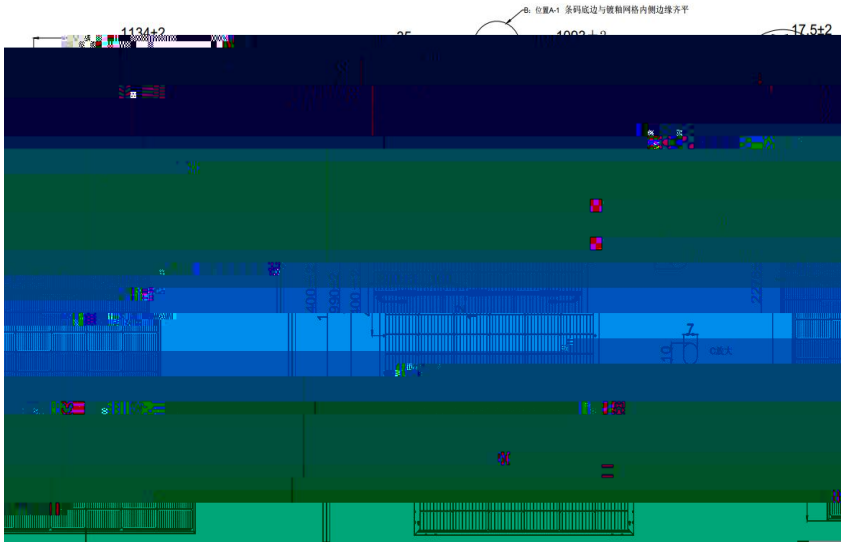
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System (QMS)

ISO14001:2015: Environmental Management System

ISO45001:2018:Occupational Health and Safety Management System





Mechanical Parameters

Cell type	N-type Monocrystalline solar cells
Number of half cell	144 (72×2)
Dimensions	2278×1134×35mm
Weight	32.6kg
Front Glass	2mm anti-reflective coating glass
Back Glass	2mm Heat-strengthened glass
	Anodized aluminum alloy
Junction box	IP68
Output cable	4.0mm ² ; + 400/-200mm or customised
Size of each pallet	2334×1140×1250mm

Electrical performance parameters

Module Type

HS-72IPN 570-590-52

Test Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	570	429	537	432	580	436	585	440	590	443
Optimum Operating Voltage (Vmp/V)	43.97	41.33		41.47	44.23	41.57	44.35	41.67	44.50	41.77
Optimum Operating Current (Imp/A)	12.96	10.37	13.03	10.43	13.11	10.49	13.19	10.56	13.22	10.61
Open Circuit Voltage (Voc/V)	51.61	48.12	51.79	48.29	51.98	48.47	52.15	48.65	52.38	48.80
Short Circuit Current (Isc/A)	13.54	10.92	13.61	10.97	13.68	11.03	13.75	11.08	13.82	11.13
Module Efficiency (%)	22.1%		22.3%		22.5%		22.6%		22.8%	
Operating Temperature Range (°C)	-40°C ~ +85°C									
Maximum System Voltage	1500V DC (IEC)									
Maximum Rated Fuse Current	25A									
Power Tolerance	0~+5W									
Temperature Coefficient of peak power (Pmax)	-0.29%/°C									
Temperature Coefficient of open circuit voltage(Voc)	-0.25%/°C									
Temperature Coefficient of short-circuit current(Isc)	0.043%/°C									
Nominal Operating Temperature of cell (NOTC)	45±2°C									
Bifaciality(BiFi)	80±3%									

Parameters of bifacial power generation (Backside Power Gain)

5%	Maximum power(Pmax)	599Wp	604Wp	609Wp	614Wp	619Wp
	Module efficiency(%)	23.2%	23.4%	23.6%	23.8%	24.0%
10%	Maximum power(Pmax)	627Wp	633Wp	638Wp	644Wp	649Wp
	Module efficiency(%)	24.3%	24.5%	24.7%	24.9%	25.1%
15%	Maximum power(Pmax)	656Wp	661Wp	667Wp	673Wp	678Wp
	Module efficiency(%)	25.4%	25.6%	25.8%	26.0%	26.2%