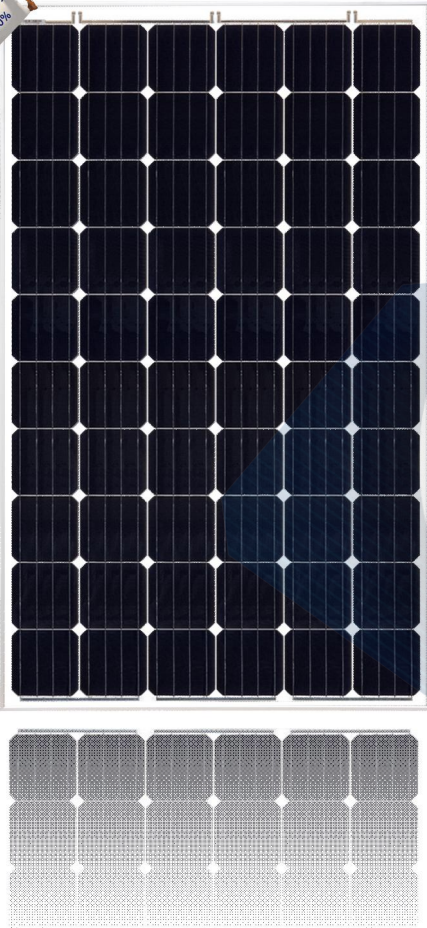




IGNITE THE POWER OF NATURE

"PENGUIN" Bifacial Solar Module
N-Type Monocrystalline Cells
270-285Watt



Model : SLxxxTU-30ND(xxx=270-285) Specifications

Electrical Data

Maximum Power(W)	270	275	280	285
Optimum Power Voltage(Vmp)	32.40	32.60	32.88	33.12
Optimum Operating Current(Imp)	8.33	8.44	8.52	8.61
Open Circuit Voltage(Voc)	38.36	38.59	38.84	39.07
Short Circuit Current(Isc)	8.92	9.03	9.11	9.21
Cell Efficiency (%)	19.40	19.76	20.11	20.47
Module Efficiency (%)	16.21	16.51	16.81	17.11
Tolerance Wattage(%)	0 +3			
NOCT	45°C +/-2°C			

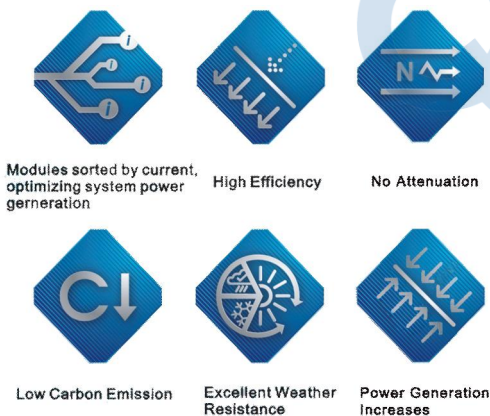
Temperature Coefficients

Temperature Coefficients of Isc(%)	+0.04
Temperature Coefficients of Voc(%)	-0.29
Temperature Coefficients of Pm(%)	-0.37

Power generation increases 10%-30%
PID Resistance Characteristics

Components & Mechanical Data

Benefits



Solar Cell	156*156 N-Type Mono
Number of Cell(pcs)	6*10
Size of Module(mm)	1666*1000*40
Front Glass Thickness(mm)	2.5
Back Glass Thickness(mm)	2.5
Surface Maximum Load Capacity	Above 5400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	25.5
Junction Box Type	Pass the TUV Certificate
Frame(Material Corners,etc.)	40#
Temperature Range	-40°C to +85°C
FF (%)	70-78%
Standard Test Conditions	AM1.5 1000W/m ² 25°C



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Project Picture



Warranty

Warranty	30 years limited power warranty
	12 years limited product warranty

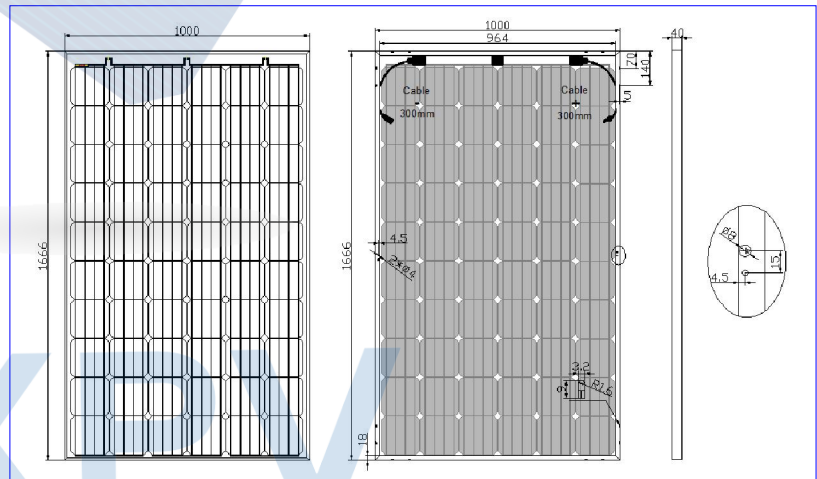
Packing

Packing	Carton Box
1*20'	12Pallets/324pcs
1*40'HQ	26Pallets/702pcs

Applications

- ▣ On-grid residential roof-tops
- ▣ On-grid commercial/industrial roof-tops
- ▣ Solar power stations
- ▣ Other on-grid applications

Engineering Drawings



- ▣ Manufacturing facility certified to **ISO 9001 / ISO 14001 / OHSAS 18001** quality management system standards.

Ningbo Qixin Solar Electrical Appliance Co., Ltd

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