

All-Black Photovoltaic Modules

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72pcs 125 × 125mm mono-crystalline silicon cell

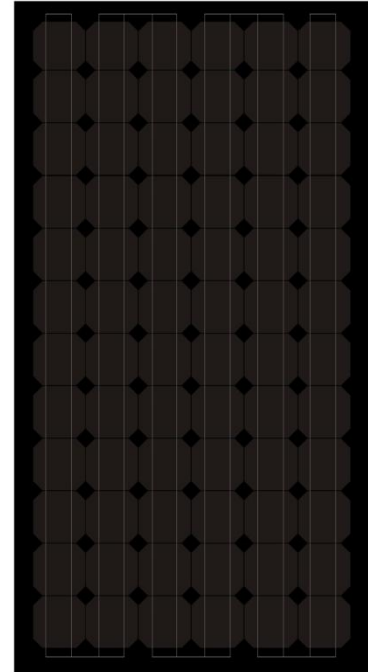
YI5C-190M

The All-black YI5C-190M is a robust all-purpose solar module with 72 solar cells. These modules can be used for on-grid and off-grid solar applications. The all-black modules use high efficiency mono-crystalline silicon cells, laminated with black back sheet and framed with black anodized aluminum. The all-black modules are the perfect choice for customers who not only are been on using solar energy, but also look for aesthetic value.

The solar modules are designed for long service life, easy to install, excellent performance under low light environments (morning, evenings, and cloudy days), guaranteed positive tolerance 0~+5W ensures power output reliability etc.

Rigorous quality control meeting the highest international standards: ISO 9001:2008.

The solar modules certification and standards: IEC 61215, IEC 61730, Conformity to CE.



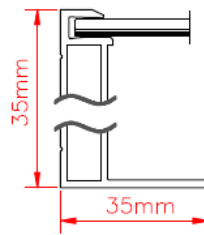
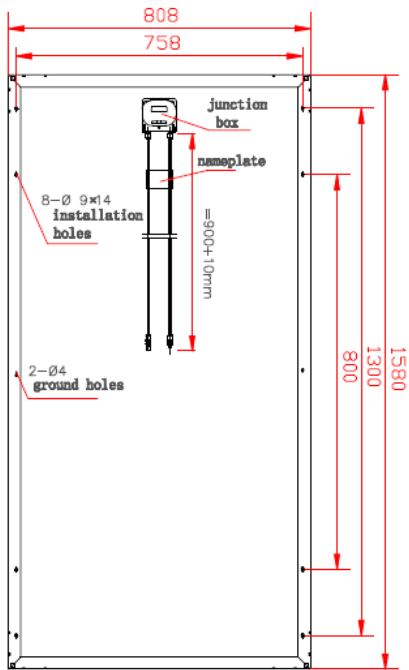
Module type		YI5C-170M	YI5C-175M	YI5C-180M	YI5C-185M	YI5C-190M	YI5C-195M
Size and Number of cell	pc	Mono-crystalline silicon solar cell 125mm x125mm;72(6x12)pcs;					
Maximum Power (Pmax)	W	170	175	180	185	190	195
Maximum Power Volage(Vmp)	V	35.6	35.81	36.1	36.5	36.6	36.96
Maximum Operating Current(Imp)	A	4.78	4.91	4.99	4.99	5.18	5.28
Open Cricuit Voltage(Voc)	V	44.3	44.5	44.6	44.6	45.38	45.5
Short Cricuit Current (Isc)	A	5.12	5.24	5.34	5.34	5.58	5.63
Power Tolerance	W	0~+5					
Maximum System Voltage	V	DC 1000V (TÜV)					
Operating Temperature	℃	-40 to +85					
Max. Wind Load /Max. Snow Load	Pa	2400					
Grounding conductivity	Ω	< 0.1					
Insulation Resistance	MΩ	≥ 100					
Guarantee		10 year limited product warranty; Limited Performance warranty:10 years at 90% of the minimal rated power output, 25 years at 80% of the minimal rated power output;					
Standard Test Condition		1000W/M ² ,AM1.5,25℃					

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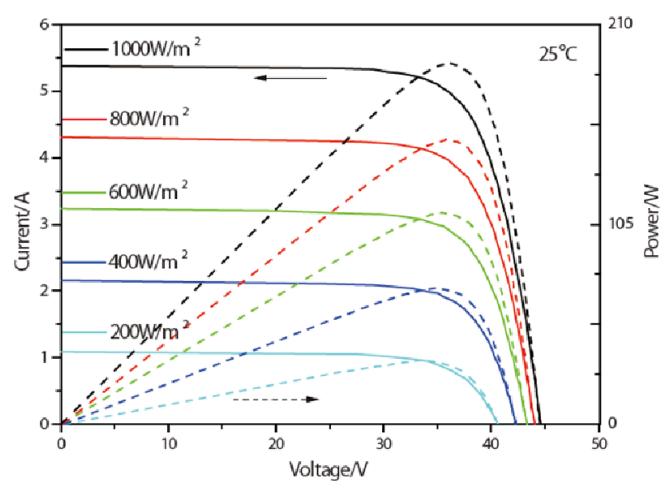
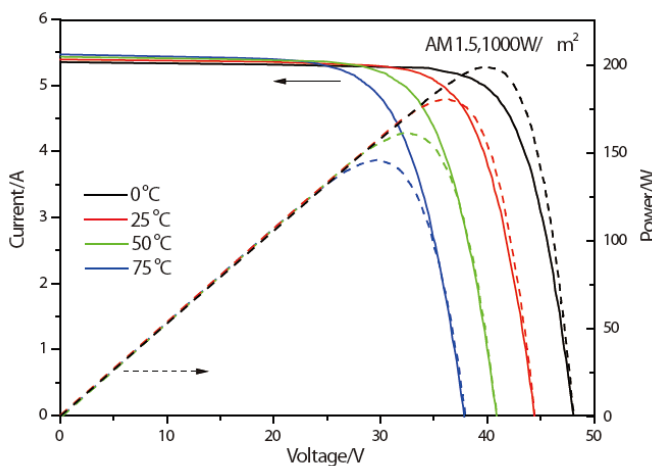
Mechanical Parameters

Cell	Mono 125x125
No. of cells and connections	72 (6x12)
Dimension(LxWxH)(mm)	1580x808x35
Weight(Kg)	15.5
Cable Length(mm)	≥900
No. of diodes	3

Temperature Coefficients

Temp. Coefficient of I_{sc} (αI_{sc})	+0.040%/K
Temp. Coefficient of V_{oc} (βV_{oc})	-0.300%/K
Temp. Coefficient of P_{max} (δP_{max})	-0.440%/K

***Above data is only for reference.



Excellent performance under weak light conditions: at an irradiation intensity of $200W/m^2$ (AM 1,5, $25^\circ C$), 95.5% or higher of the STC efficiency ($1000W/m^2$) is achieved.

Specifications are subject to change without further notification