

MILKY WAY

Solar Module

HT60-156M(ND) HT60-156M(ND)-F

290W-305W

[Bifacial Module]

Bifacial generating capacity ,
output 333W/339W/345W/350W(15% increase)



Absorb the light by both surfaces of the cells

18.5%
Module Efficiency

PID
PID resistant

P_{max}/m^2
N-Type mono technology,
effectively increase
the output power of unit area

2%
All the modules are sorted and
packaged by amperage,
reducing mismatch losses and
maximizing system output.

10_{Ys}
Products Warranty

Better temperature coefficient

Better low irradiation response
provides more effective working time

Advanced surface treatment, lower
surface reflection and 5BB cell
design can reduce the series
resistance and improve the module
efficiency

EL
Microcrack resistant
Double glass structure enhance
reliability, triple EL tested of high
quality control.

0 Initial light induced degradation,
effectively increase the overall
power generation amount

TUV certification

30_{Ys}
Warranty on power output

Entire module certified to with
stand extreme wind (2400 Pa)
and snow loads (5400 Pa)

5W
Positive tolerance 0/+5w
guaranteed

Electrical Characteristics(STC)

Module	HT60-156M(ND) / HT60-156M(ND)-F			
Maximum Power at STC(Pmax)	290W	295W	300W	305W
Open-Circuit Voltage(Voc)	39.0V	39.2V	39.4V	39.6V
Short-Circuit Current(Isc)	9.44A	9.49A	9.54A	9.58A
Optimum Operating Voltage (Vmp)	32.1V	32.4V	32.6V	32.9V
Optimum Operating Current(Imp)	9.04A	9.13A	9.22A	9.30A
Module Efficiency	17.6%	17.9%	18.2%	18.5%
Power Tolerance	0 ~ +5W			
Maximum System Voltage	1000V DC(IEC)			
Maximum Series Fuse Rating	15A			
Operating Temperature	-40 °C to +85 °C			

* Irradiance 1000W/m², module temperature 25, AM=1.5

NOCT

Module	HT60-156M(ND) / HT60-156M(ND)-F			
Maximum Power	213W	217W	220W	224W
Open Circuit Voltage (Voc)	36.0V	36.2V	36.4V	36.6V
Short-Circuit Current(Isc)	7.62A	7.66A	7.70A	7.74A
Optimum Operating Voltage (Vmp)	29.6V	29.8V	30.1V	30.3V
Maximum Circuit Current (Imp)	7.20A	7.27A	7.33A	7.40A
NOCT	43°C±2°C			

NOCT: Irradiance 800W/m², ambient temperature 20 °C, wind speed 1 m/s

Mechanical Characteristics

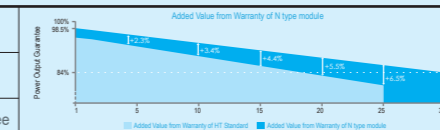
Solar Cells	N type mono-crystalline cell 156.75*156.75mm 5BB		
No. of Cells	60 (6 × 10)		
Dimensions	1658mm×992mm×6.5mm / 1658mm×992mm×35mm		
Weight	25kg/22.5kg(F)		
Junction Box	IP67 , 3 diodes		
Snow pressure	5400Pa		
Wind pressure	2400Pa		
Area	1.64m ²		
Light Transmittance	12.8%		
Packaging Configuration	33pcs/box, 1584pcs/17.5m Trailer; 33pcs/box, 858pcs/40'HQ Container 26pcs/box, 1560pcs/17.5m Trailer; 30pcs/box, 840pcs/40'HQ Container (F)		

Temperature Characteristics

Temperature Coefficient of Pmax	$\gamma (P_m)$	-0.39%/K
Temperature Coefficient of Voc	$\beta (V_{oc})$	-0.28%/K
Temperature Coefficient of Isc	$\alpha (I_{sc})$	0.045%/K

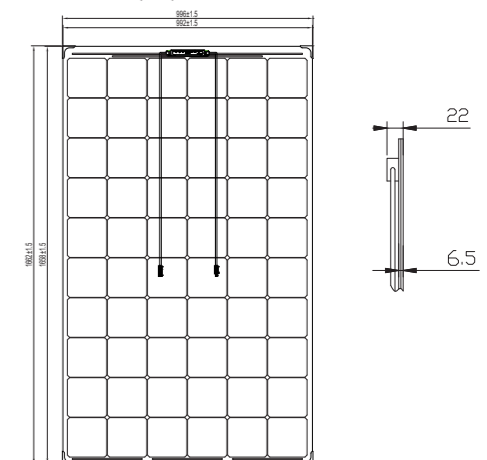
Warranty

10-year product warranty
30-year warranty on power output
Specific information is referred to the product quality guarantee

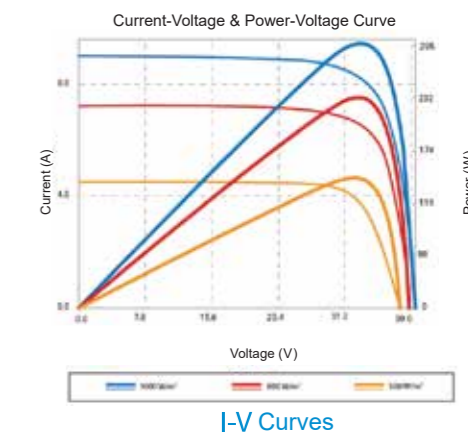
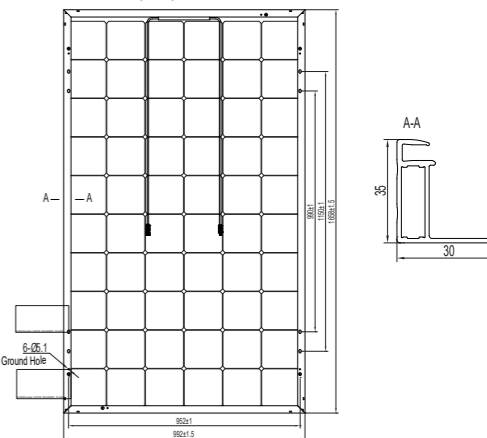


Information Box

HT60-156M(ND)



HT60-156M(ND)-F



Shanghai Aerospace Automobile
Electromechanical Co., Ltd.
HT Solar Energy J.S.C.

Factory: Lianyungang ShenZhou
New Energy Co., Ltd.
HT Solar Energy J.S.C.