

Reliable State-owned Enterprise Deliver Solar Power since 1960s



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



N-Type mono technology,
effectively increase
the output power of unit area



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



Products Warranty



Better temperature coefficient



Better low irradiation response
provides more effective working time



TUV certification



Warranty on power output



Entire module certified to with
stand extreme wind (2400 Pa)
and snow loads (540 Pa)



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

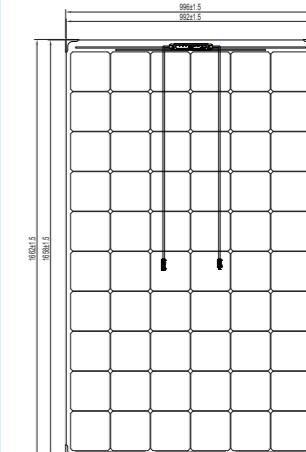
Module	HT60-156M(ND) / HT60-156M(ND)-F			
Maximum Power	213W	217W	220W	224W
Open Circuit Voltage (Voc)	36.0V	36.2V	36.4V	36.6V
Short-Circuit Current(Isc)	7.62A	7.66A	7.70A	7.74A
Optimum Operating Voltage (VmP)	29.6V	29.8V	30.1V	30.3V
Maximum Circuit Current (Imp)	7.20A	7.27A	7.33A	7.40A
NOCT	43°C±2°C			

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

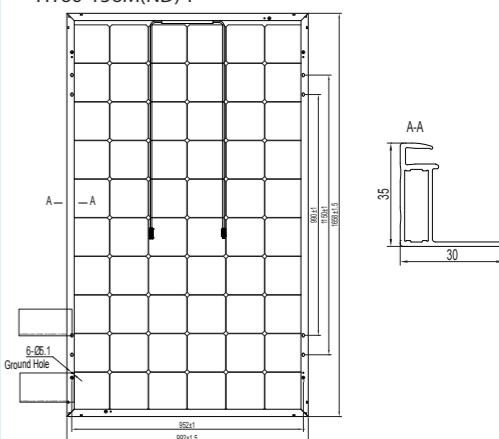
Mechanical Characteristics

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/40HQ Container 26pcs/box, 1560pcs/17.5m Trailer; 30pcs/box, 840pcs/40HQ Container (F)			

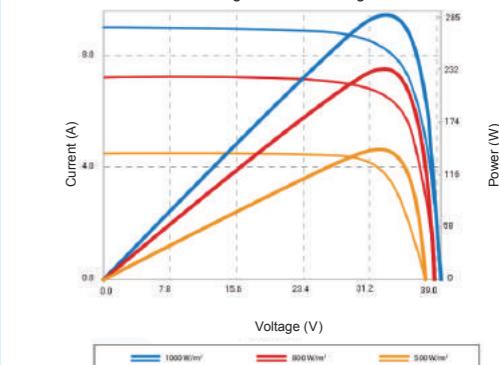
HT60-156M(ND)



HT60-156M(ND)-F



Current-Voltage & Power-Voltage Curve



Shanghai Aerospace Automobile
Electromechanical Co., Ltd.
website: www.ht-saae.com

Factory : Lianyungang ShenZhou
New Energy Co., Ltd.