



Benchmark II SPP340-360NHEH

340-360W MWT All Black Module

Mono Half-cut 63 Cells

20.0%

Module efficiency up to 20.0%

Benchmark MWT PV Module



Higher Efficiency

The highest efficiency of the series is up to 20.0%.



Higher Yield

Higher power generation on the same installation.



Anti-PID

Certified for Anti-PID under 85°C/85%RH, for 288hrs.



Lower Degradation

At least 98% of the initial effective output in the 1st year and 82% in the 30th year.



Corrosion-Resistant

Certified for Ammonia Resistance and Salt Mist Corrosion.



Heat-Resistant

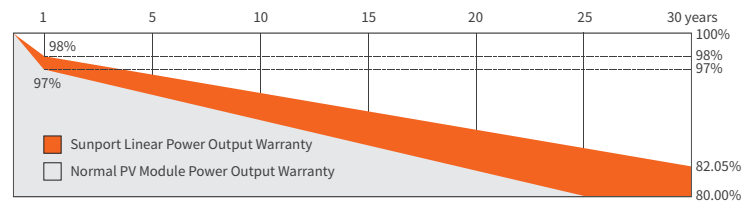
Improved temperature coefficient as low as $-0.36\%/^{\circ}\text{C}$.

Reinsurance Coverage for 30 Years



Insured by PICC and LLOYD'S

PICC LLOYD'S



※1st year degradation less than 2%, 30 years linear power output 82% guaranteed.

Comprehensive Qualifications & Certifications

- ★IEC 61215, IEC 61730, IEC 61701, IEC 62716, IEC 60068-2-68.
- ★ISO 9001:2015 Quality Management System
- ★OHSAS 18001:2007 Occupation Health Safety Management System

- ★CQC&CGC Top Runner Advanced Technology Certification (4A class)
- ★ISO 14001:2015 Environment Management System
- ★TUV NORD and UK NQA Quality System Certification



Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP340NHEH	SPP345NHEH	SPP350NHEH	SPP355NHEH	SPP360NHEH
Max-Power(Pm)	W	340	345	350	355	360
Power Tolerance	%			0~+5W		
Max-Power Voltage(Vm)	V	34.7	34.9	35.1	35.3	35.5
Max-Power Current(I _m)	A	9.80	9.89	9.98	10.06	10.14
Open-Circuit Voltage(Voc)	V	42.0	42.2	42.4	42.6	42.8
Short-Circuit Current(I _{sc})	A	10.26	10.36	10.45	10.53	10.62
Module Efficiency(η _m)	%	18.9	19.2	19.4	19.7	20.0

STC:AM=1.5, Irradiation1000W/m², Module Temperature25°C

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP340NHEH	SPP345NHEH	SPP350NHEH	SPP355NHEH	SPP360NHEH
Max-Power(Pm)	W	254	258	262	266	270
Max-Power Voltage(Vm)	V	31.9	32.1	32.3	32.5	32.7
Max-Power Current(I _m)	A	7.96	8.04	8.12	8.20	8.26
Open-Circuit Voltage(Voc)	V	39.2	39.4	39.6	39.8	40.0
Short-Circuit Current(I _{sc})	A	8.48	8.56	8.63	8.70	8.77

NMOT: Irradiation800W/m², ambient temperature20°C, Wind Speed1m/s

Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of P _{max}	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of I _{sc}	0.06%/°C

Package

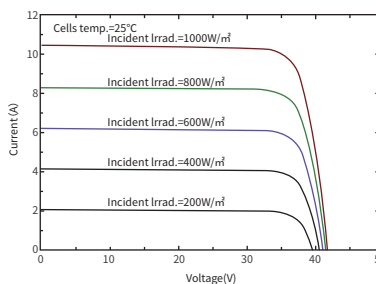
Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	40' HC	806/858	31

Mechanical Property

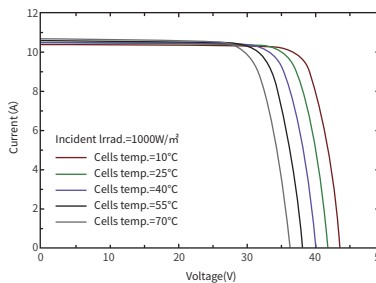
Dimension(L×W×H)	1772mmx1016mmx35mm
Weight	20kg
Glass Type	High Transmittance Anti-reflective Coated Tempered Glass /3.2mm
Solar Cell	126(6×21)/ Mono / 162.75x81.375
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Black
Junction Box	IP65&IP67
Cable	According to the order
Connector	MC4 Compatible

I-V Curve

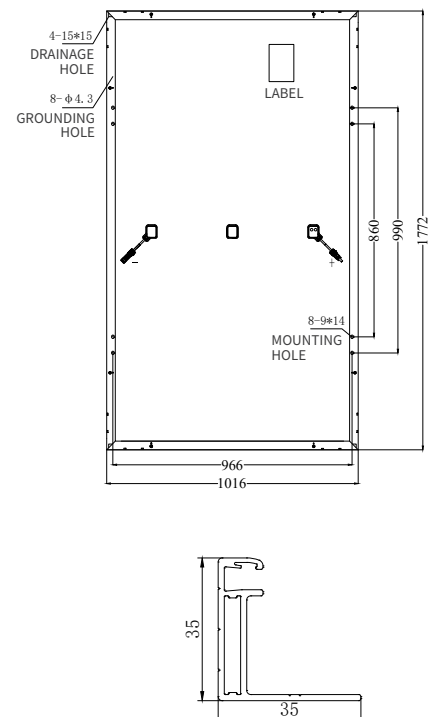
I-V Curve at different irradiation (SPP350NHEH)



I-V Curve at different irradiation (SPP350NHEH)



Module Size



Operating Conditions

Max System Voltage	1500V(TUV)
Max Fuse Rated Current	15A
Operating Temperature Range	-40°C~+85°C
Mechanical Load	5400Pa (front) /2400Pa (rear)
Max Allowable Hail Load	φ25mm hail, from 1m of distance at 23 m/s
Application Class	Class A