



LINUO SOLAR

420-435W

Topcon

Monocrystalline PV Module
LSTSMH108P Series (182)



SMBB & Half Cut cell technology



Guaranteed 0~+5W positive tolerance to ensure power output



Dual stage 100% EL Inspection
Warranting Defect-Free Product



reduces reflection and self-cleaning



Excellent mechanical load 2400Pa
and snow load 5400Pa resistance



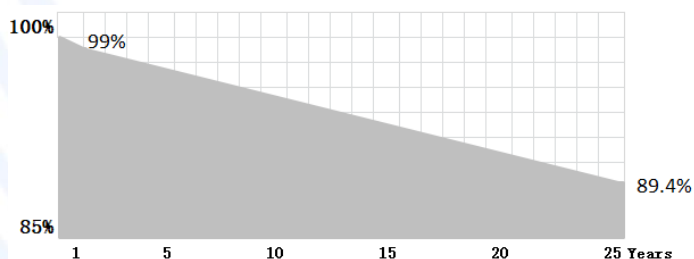
Excellent PID resistance.

Comprehensive Certificates

- IEC61215, IEC61730
- TUV, CE
- ISO9001: 2015
- ISO14001: 2015
- ISO45001: 2018



Superior Warranty



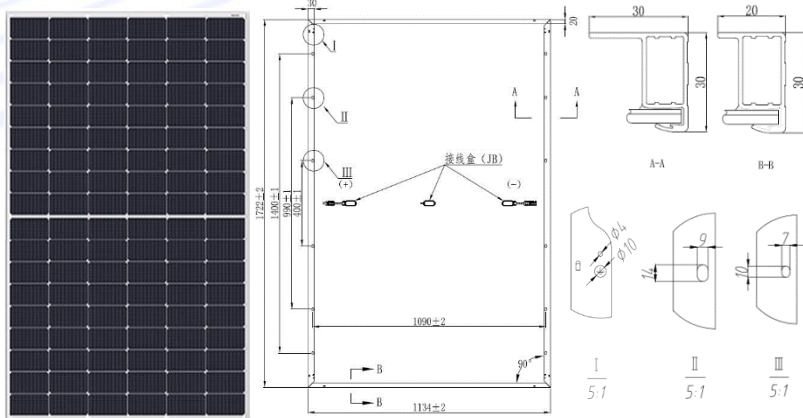
Shandong Linuo Solar Power Technology Co.,Ltd

Add: No.30766 Jingshidong Road, Jinan Zone, CHINA(Shandong) Pilot Free Trade Zone

Web: <http://en.linuopv.com/>

Mechanical Specifications @STC

Solar Cells:	Mono
Number of Cells:	108pcs
Module Dimension :	1722×1134×30mm
Weight:	21 kg±3%
Snow/Wind Load:	5400/2400 Pa
Thickness of Glass:	3.2mm
Junction Box:	IP68, 3 Diodes
Connector:	HTC-16, IP68
Length:	(+)290mm /(-)290mm(including connector)



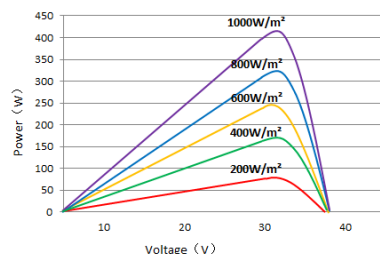
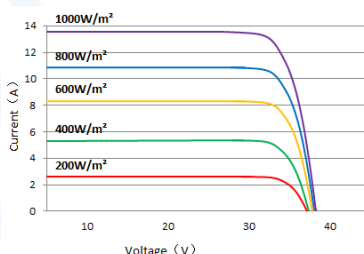
Electrical Specifications @STC

Pmax (W) 0-+5W	Umpp (V)	Impp(A)	Uoc (V) ±3%	Isc(A) ±3%	Module Efficiency	Max System Voltage	Max Series Fuse
420	31.82	13.20	38.19	14.05	21.51%	1500V	25A
425	32.12	13.24	38.55	14.08	21.76%	1500V	25A
430	32.26	13.34	38.71	14.17	22.02%	1500V	25A
435	32.42	13.42	38.90	14.25	22.28%	1500V	25A

Temperature Parameter

Temperature Cycling Range:	-40°C ~ +85°C
Normal Module Operating Temperature:	45±2 °C
Temperature Coefficient of Isc:	0.037%/°C
Temperature Coefficient of Voc :	-0.255%/°C
Temperature Coefficient of Pmax :	-0.337%/°C

I-V Curve LSTSMH108P-425W



Packaging Configuration

Modules Per Pallet:	36pcs
Modules Per 40 ' HQ:	936pcs

Guarantee

12-year warranty on materials & workmanship
25-year linear power output warranty

※ Specifications subject to technical changes and tests, Linuo Power reserves the right of final interpretation.

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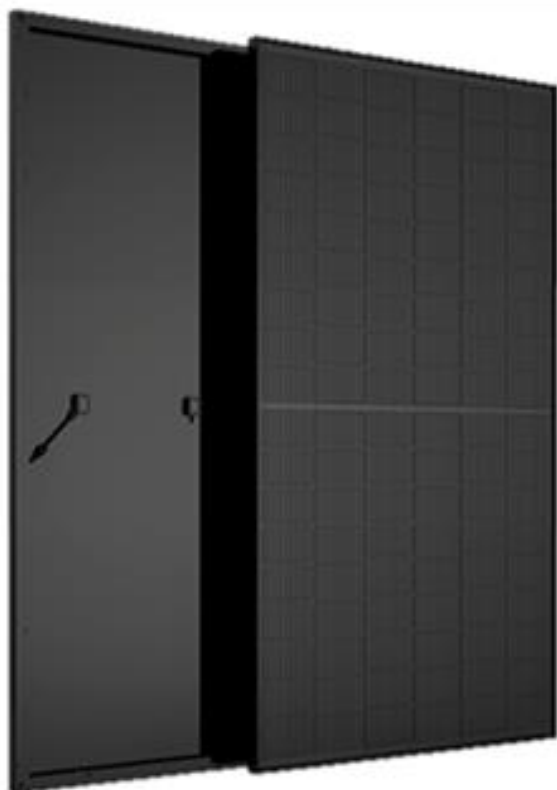
Web: <http://en.linuopv.com/>



LINUO SOLAR 410W-430W

Topcon

Monocrystalline PV Module
LSTSMH108P Series (182)



SMBB technology, higher component power



Guaranteed 0~+5W positive tolerance to ensure power output



Dual stage 100% EL Inspection



Lower power attenuation higher generation returns



Excellent PID resistance



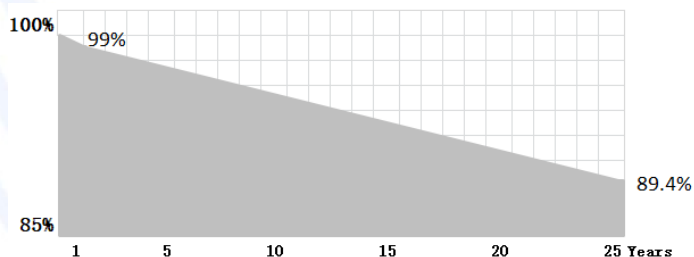
Reduced surface reflection and self-cleaning

Comprehensive Certificates

- IEC61215, IEC61730
- TUV, CE
- ISO9001: 2015
- ISO14001: 2015
- ISO45001: 2018

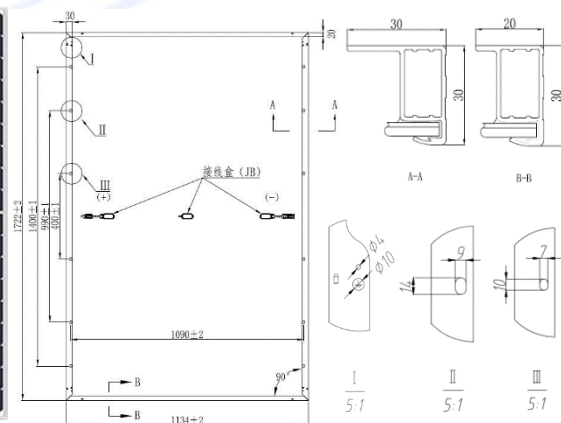


Superior Warranty



Mechanical Specifications @STC

Solar Cells:	Mono
Number of Cells:	108pcs
Module:	1722×1134×30mm
Weight:	21 kg±3%
Snow/Wind Load :	5400/2400 Pa
Thickness of Glass:	dual 3.2mm
Junction Box:	IP68, 3 Diodes
Connector:	HTC-16, IP68
Length:	(+250mm /(-)300mm(including connector)



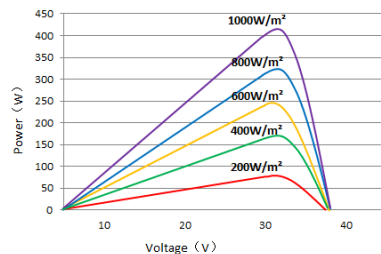
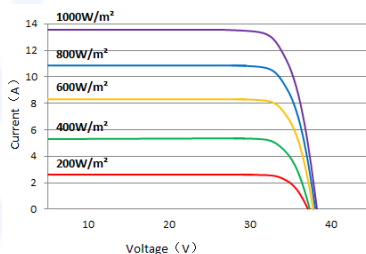
Electrical Specifications @STC

Pmax (W) 0-5W	Umpp (V)	Impp(A)	Uoc (V) ±3%	Isc(A) ±3%	Module Efficiency	Max System Voltage	Max Series Fuse
410	32.32	12.69	38.69	13.50	21.00%	1500V	25A
415	32.62	12.72	39.05	13.53	21.25%	1500V	25A
420	32.76	12.82	39.21	13.62	21.51%	1500V	25A
425	32.12	13.24	38.55	14.08	21.76%	1500V	25A
430	32.26	13.34	38.71	14.17	22.02%	1500V	25A

Temperature Parameter

Temperature Cycling Range:	-40°C ~ +85°C
Norminal Module Operating Temperature:	45±2 °C
Temperature Coefficient of Isc:	0.037%/°C
Temperature Coefficient of Voc :	-0.255%/°C
Temperature Coefficient of Pmax :	-0.337%/°C

I-V Curve LSTSMH108P-420W



Packaging Configuration

Modules Per Pallet:	36pcs
Modules Per 40 ' HQ:	936pcs

Guarantee

12-year warranty on materials & workmanship
25-year linear power output warranty

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LINUO SOLAR 420W-435W

Topcon

Monocrystalline PV Module
LSTDMH108P Series (182)



SMBB technology, higher component power



Double-sided power generation



Dual stage 100% EL Inspection



Lower power attenuation higher generation returns



N-type double glass, excellent PID resistance



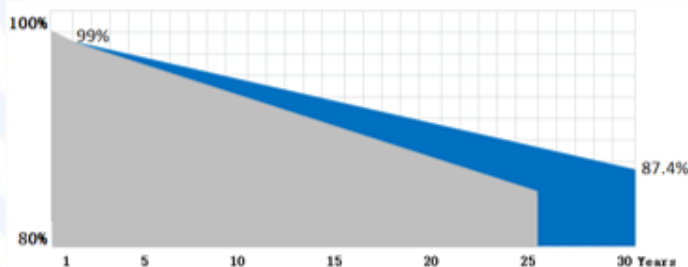
Ammonia & salt mist resistant

Comprehensive Certificates

- IEC61215, IEC61730
- TUV, CE
- ISO9001: 2015
- ISO14001: 2015
- ISO45001: 2018



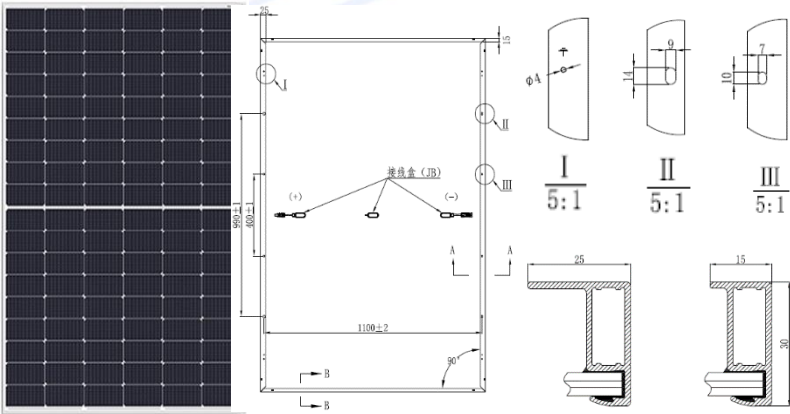
Superior Warranty





Mechanical Specifications @STC

Solar Cells:	Mono
Number of Cells:	108pcs
Module:	1722×1134×30mm
Weight:	24 kg±3%
Snow/Wind Load:	5400/2400 Pa
Thickness of Glass:	dual 2.0mm
Junction Box:	IP68, 3 Diodes
Connector:	HTC-16, IP68
Length:	(+)250mm /(-)300mm(including connector)



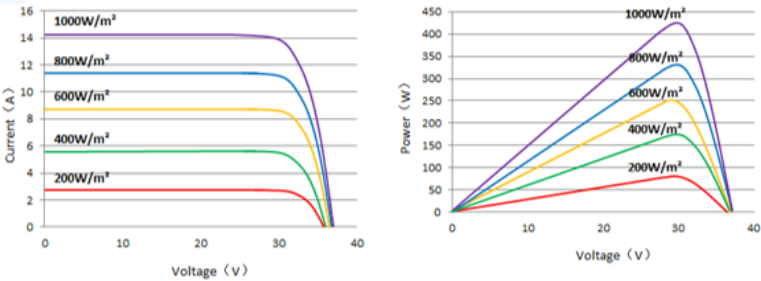
Electrical Specifications @STC

Pmax (W) 0~+5W	Ump (V)	Imp(A)	Uoc (V) ±3%	Isc(A) ±3%	Module Efficiency	Max System Voltage	Max Series Fuse	Bifacial Gain 5% (W)	Bifacial Gain 15% (W)	Bifacial Gain 25% (W)
420	31.82	13.20	38.19	14.05	21.51%	1500V	30A	437	470	504
425	32.12	13.24	38.55	14.08	21.76%	1500V	30A	442	476	510
430	32.26	13.34	38.71	14.17	22.02%	1500V	30A	447	482	516
435	32.42	13.42	38.90	14.25	22.28%	1500V	30A	452	487	522

Temperature Parameter

Temperature Cycling Range:	-40°C ~ +85°C
Norminal Module Operating Temperature:	45±2 °C
Temperature Coefficient of Isc:	0.042%/°C
Temperature Coefficient of Voc :	-0.257%/°C
Temperature Coefficient of Pmax :	-0.330%/°C
Bifacial Ratio:	80%±5%

I-V Curve LSTDMH108P-430W



Packaging Configuration

Modules Per Pallet:	36pcs
Modules Per 40 ' HQ:	936pcs

Guarantee

12-year warranty on materials & workmanship
30-year linear power output warranty

※ Specifications subject to technical changes and tests, Linuo Power reserves the right of final interpretation.



LINUO SOLAR

560W-580W

Topcon

Monocrystalline PV Module
LSTSMH144P Series (182)



SMBB technology, higher component power



Guaranteed 0~+5W positive tolerance to ensure power output



Dual stage 100% EL Inspection



Lower power attenuation higher generation returns



Excellent PID resistance



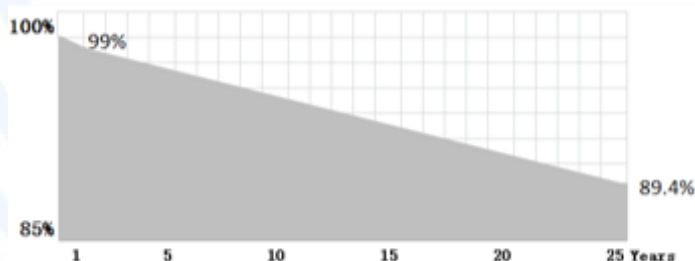
Reduced surface reflection and self-cleaning

Comprehensive Certificates

- IEC61215, IEC61730
- TUV, CE
- ISO9001: 2015
- ISO14001: 2015
- ISO45001: 2018



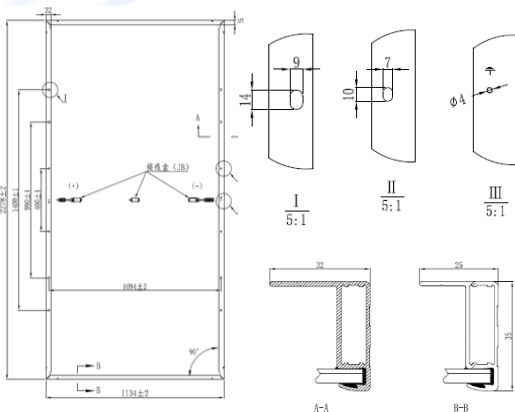
Superior Warranty





Mechanical Specifications @STC

Solar Cells:	Mono
Number of Cells:	144pcs
Module:	2278×1134×35mm
Weight:	27.5 kg±3%
Snow/Wind Load:	5400/2400 Pa
Thickness of Glass:	3.2mm
Junction Box:	IP68, 3 Diodes
Connector:	HTC-16, IP68
Length:	(+)250mm /(-)300mm(including connector)



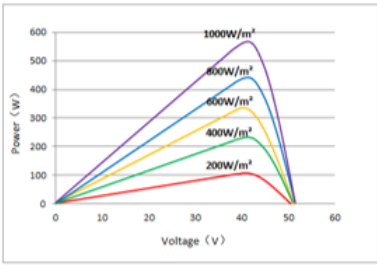
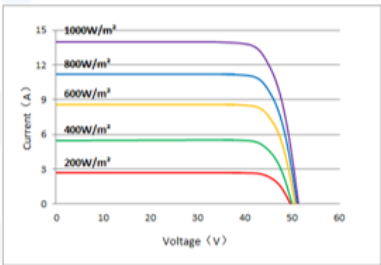
Electrical Specifications @STC

Pmax (W) 0~+5W	Umpp (V)	Impp(A)	Uoc (V) ±3%	Isc(A) ±3%	Module Efficiency	Max System Voltage	Max Series Fuse
560	42.43	13.20	50.70	14.11	21.68%	1500V	25A
565	42.61	13.26	50.89	14.17	21.87%	1500V	25A
570	42.83	13.31	51.09	14.23	22.07%	1500V	25A
575	43.01	13.37	51.29	14.29	22.26%	1500V	25A
580	43.22	13.42	51.50	14.35	22.45%	1500V	25A

Temperature Parameter

Temperature Cycling Range:	-40℃ ~ +85℃
Norminal Module Operating Temperature:	45±2 ℃
Temperature Coefficient of Isc:	0.037%/℃
Temperature Coefficient of Voc :	-0.255%/℃
Temperature Coefficient of Pmax :	-0.337%/℃

I-V Curve LSTSMH144P-580W



Packaging Configuration

Modules Per Pallet:	31pcs
Modules Per 40 ' HQ:	620pcs

Guarantee

12-year warranty on materials & workmanship
25-year linear power output warranty

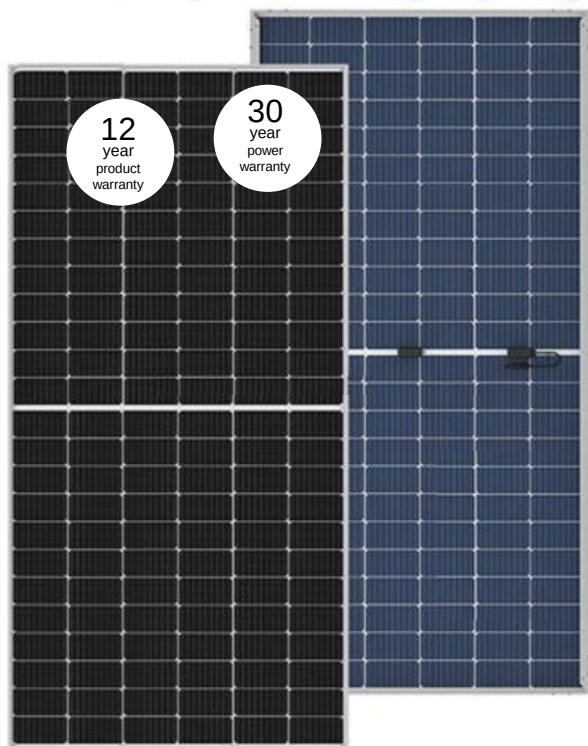
※ Specifications subject to technical changes and tests, Linuo Power reserves the right of final interpretation.



LINUO SOLAR 560-575W

Topcon

Monocrystalline PV Module
LSTDMH144P Series (182)



MBB & Half Cut cell technology



Guaranteed 0~+5W positive tolerance to ensure power output



Dual stage 100% EL Inspection
Warranting Defect-Free Product



Lower power attenuation higher generation returns



Higher Output Power



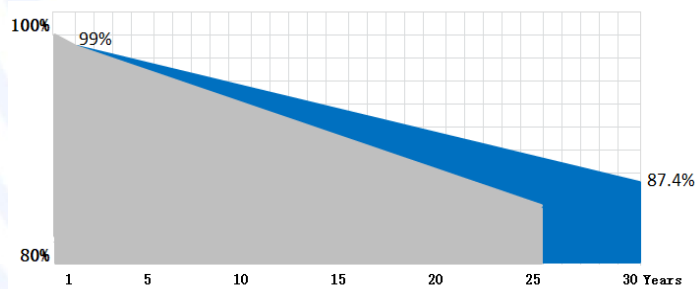
Lower BOS cost and LCOE

Comprehensive Certificates

- IEC61215, IEC61730
- TUV, CE
- ISO9001: 2015
- ISO14001: 2015
- ISO45001: 2018

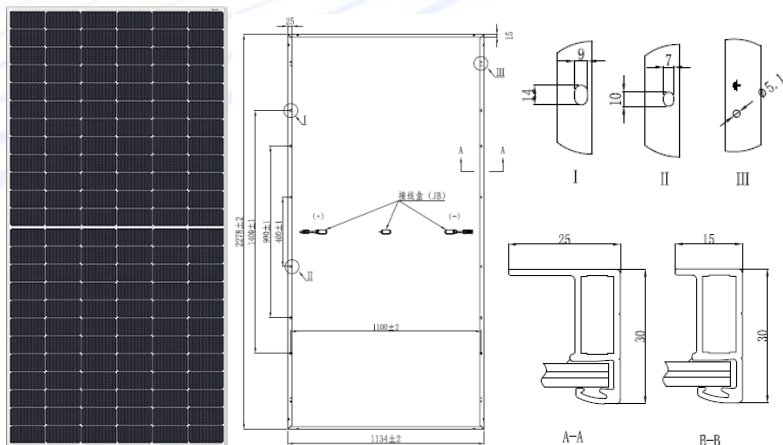


Superior Warranty



Mechanical Specifications @STC

Solar Cells:	Mono
Number of Cells:	144pcs
Module:	2278×1134×30mm
Weight:	31.5 kg±3%
Snow/Wind Load:	5400/2400 Pa
Thickness of Glass:	dual 2.0mm
Junction Box:	IP68, 3 Diodes
Connector:	HTC-16, IP68
Length:	(+)250mm /(-)300mm(including connector)



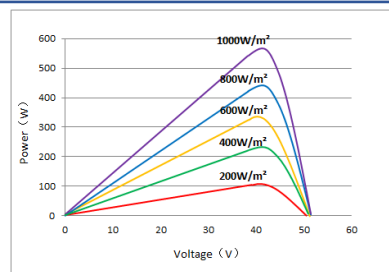
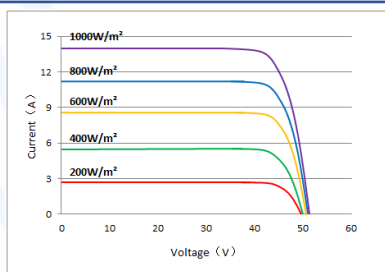
Electrical Specifications @STC

Pmax (W) 0~5W	Umpp (V)	Impp(A)	Uoc (V) ±3%	Isc(A) ±3%	Module Efficiency	Max System Voltage	Max Series Fuse	Bifacial Gain 5% (W)	Bifacial Gain 15% (W)	Bifacial Gain 25% (W)
560	42.43	13.20	50.70	14.11	21.68%	1500V	30A	582	627	672
565	42.61	13.26	50.89	14.17	21.87%	1500V	30A	588	633	678
570	42.83	13.31	51.09	14.23	22.07%	1500V	30A	593	638	684
575	43.01	13.37	51.29	14.29	22.26%	1500V	30A	598	644	690

Temperature Parameter

Temperature Cycling Range:	-40°C ~ +85°C
Normal Module Operating Temperature:	45±2 °C
Temperature Coefficient of Isc:	0.042%/°C
Temperature Coefficient of Voc :	-0.257%/°C
Temperature Coefficient of Pmax :	-0.330%/°C

I-V Curve LSTD MH144P-570W



Packaging Configuration

Modules Per Pallet:	36pcs
Modules Per 40 ' HQ:	720pcs

Guarantee

12-year warranty on materials & workmanship
30-year linear power output warranty

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