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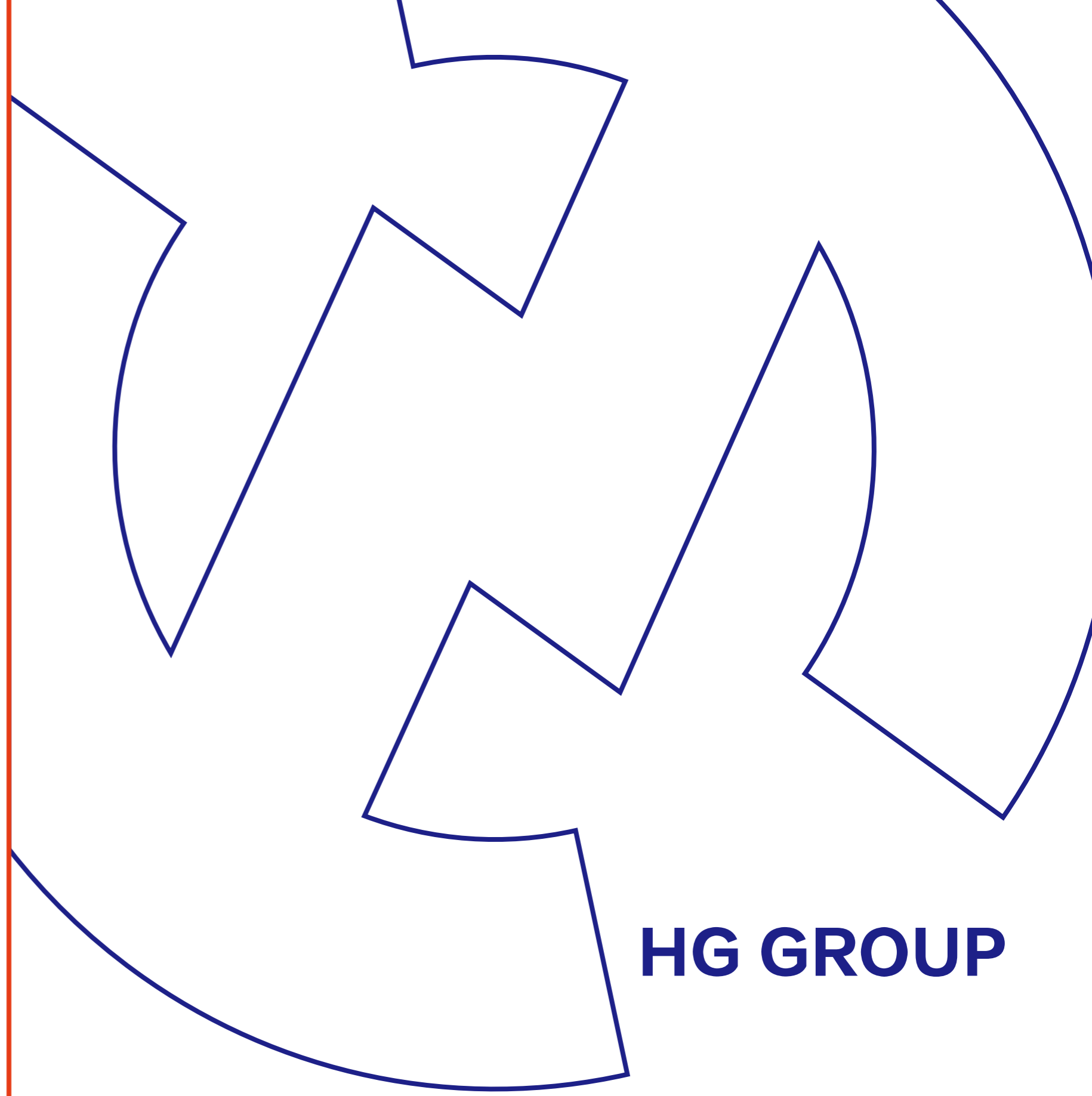
CHONGQING HG NEW ENERGY GROUP CO., LTD.

Add: No.633, Chengnan Avenue, Banqiao Industrial Park, Rongchang District, Chongqing, China.

Email: simontan@hg-energy-group.com

Tel/Wechat: +86 13637851948

Website: <https://www.hg-energy-group.com>



HG GROUP



Corrugated Tile Installation Cases



Discover more application scenarios



Flexible Solar Panels, Unlimited Possibilities for Photovoltaic Applications.

HG-L Lightweight & Flexible Series

375W-395W

Product Features

- Lightweight; Ultra-high Flexibility; Easy to install.
- Less mismatch to get more power.
- Competitive low light performance.
- Minimizing the effects of shadow occlusion to reduce power loss.
- The superior reliability has been proven through rigorous weathering test.
- Sand and dust resistance, acid and alkali-resistance, salt mist resistance.
- Anti-PID
- Hail Shock Resistance

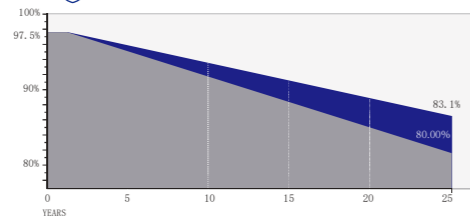
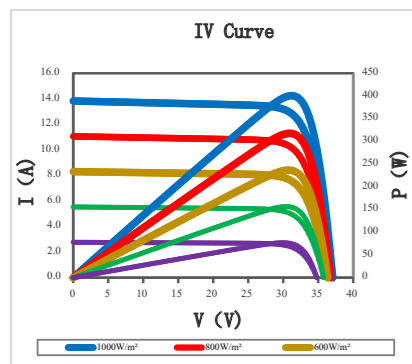
Quality System

ISO9001
ISO14001
ISO45001

Product Certification



12 YEARS Quality and process performance Assurance



Electronic Parameters

Model Type	HG-L375-54CW	HG-L380-54CW	HG-L385-54CW	HG-L390-54CW	HG-L395-54CW					
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power	375W	279W	380W	283W	385W	286W	390W	290W	395W	294W
Open Circuit Voltage	36.95V	34.36V	37.15V	34.55V	37.29V	34.68V	37.43V	34.81V	37.60V	34.97V
Short Circuit Current	13.43A	10.84A	13.52A	10.91A	13.59A	10.97A	13.67A	11.03A	13.75A	11.10A
Max Power Voltage	30.36V	28.78V	30.57V	28.97V	30.70V	29.10V	30.85V	29.24V	31.01V	29.39V
Max Power Current	12.36V	9.69A	12.45A	9.77A	12.55A	9.83A	12.66A	9.92A	12.74A	10.00A
Module Efficiency STC	19.10%		19.40%		19.60%		19.90%		20.10%	
Power Tolerance(W)	0~+5W									
Maximum System Voltage	1500V DC									
Max Series Fuse Rating	25A									

Mechanical Specifications

External Dimension	1726*1137mm
Thickness	3.0mm/3.3mm/3.6mm
Weight	6.5kg/7.6kg/8.8kg
Solar Cell	Mono crystalline 182*91, 108(6*18)
Frame	/
Glass	/
Junction Box	IP68, 3 diodes, MC4 compatible
Output Cables	4.0mm ² (IEC), 300mm(+)/300mm(-) or Customized

Temperature Characteristics

Pmax Temperature Coefficient	-0.35 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Sc Temperature Coefficient	+0.047%/°C
Operating Temperature	-40~+85°C
Nominal module operation temperature	45±2°C

Much more lighter, lower installation cost

420W-440W

Product Features

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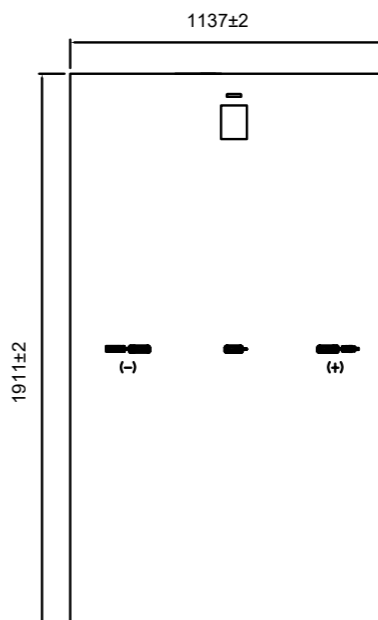
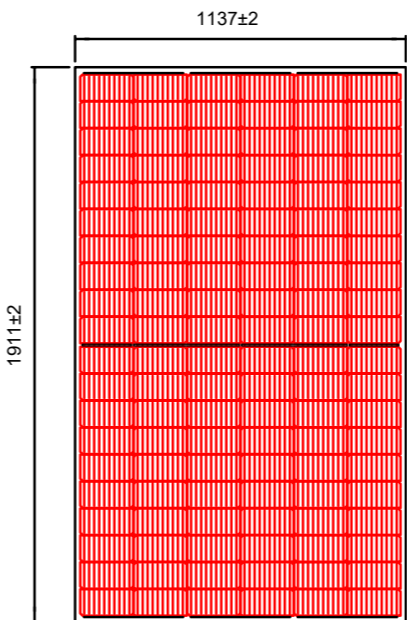
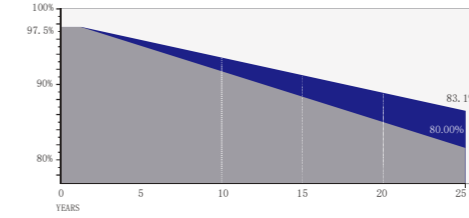
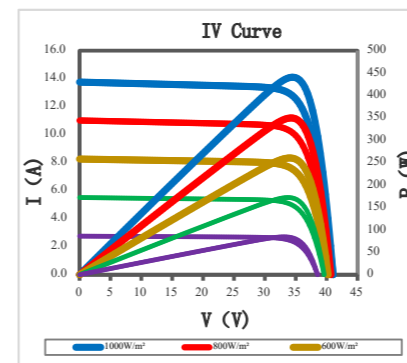
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Product Certification



12 YEARS Quality and process performance Assurance



Electronic Parameters

Model Type	HG-L420-60CW	HG-L425-60CW	HG-L430-60CW	HG-L435-60CW	HG-L440-60CW					
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power	420W	312W	425W	316W	430W	320W	435W	324W	440W	327W
Open Circuit Voltage	41.13V	38.32V	41.28V	38.46V	41.43V	38.60V	41.58V	38.75V	41.73V	38.89V
Short Circuit Current	13.48A	10.88A	13.55A	10.94A	13.62A	10.99A	13.69A	11.05A	13.76A	11.11A
Max Power Voltage	33.88V	32.11V	34.03V	32.25V	34.18V	32.40V	34.33V	32.54V	34.48V	32.68V
Max Power Current	12.41V	9.72A	12.51A	9.80A	12.60A	9.88A	12.68A	9.96A	12.77A	10.01A
Module Efficiency STC	19.30%		19.60%		19.80%		20.00%		20.30%	
Power Tolerance(W)	0~+5W									
Maximum System Voltage	1500V DC									
Max Series Fuse Rating	25A									

Mechanical Specifications

External Dimension	1911*1137mm
Thickness	3.0mm/3.3mm/3.6mm
Weight	7.3kg/8.5kg/9.8kg
Solar Cell	Mono crystalline 182*91, 120(6*20)
Frame	/
Glass	/
Junction Box	IP68, 3 diodes, MC4 compatible
Output Cables	4.0mm ² (IEC), 300mm(+)/300mm(-) or Customized

Temperature Characteristics

Pmax Temperature Coefficient	-0.35 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Sc Temperature Coefficient	+0.047%/°C
Operating Temperature	-40~+85°C
Nominal module operation temperature	45±2°C

Matain module integrity & power maintenance

460W-480W

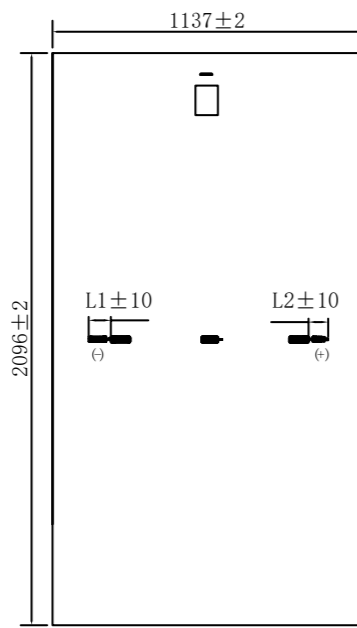
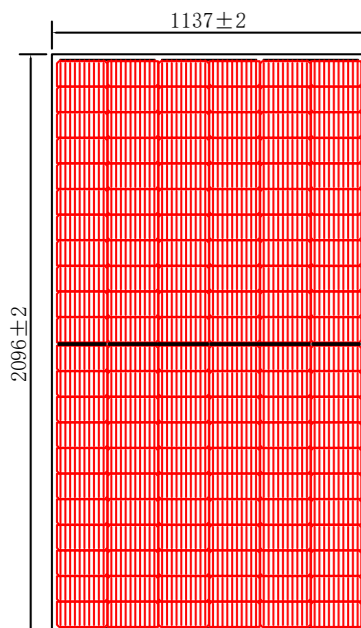
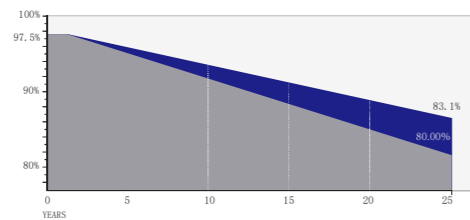
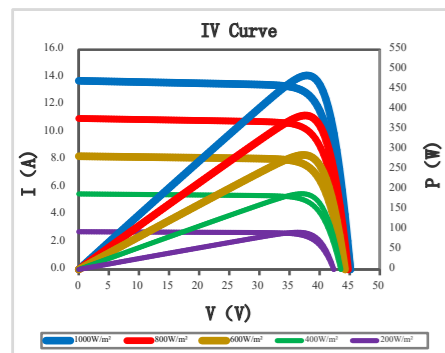
Product Features

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Quality System

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ISO14001
ISO45001

-  Quality and process performance Assurance



Electronic Parameters

Model Type	HG-L460-88CW	HG-L465-88CW	HG-L470-88CW	HG-L475-88CW	HG-L480-88CW
	STC NMOT	STC NMOT	STC NMOT	STC NMOT	STC NMOT
Maximum Power	460W 342W	465W 346W	470W 350W	475W 353W	480W 357W
Open Circuit Voltage	45.05V 42.03V	45.20V 42.18V	45.35V 42.32V	45.50V 42.46V	45.65V 42.60V
Short Circuit Current	13.37A 10.79A	13.44A 10.85A	13.51A 10.90A	13.58A 10.96A	13.65A 11.02A
Max Power Voltage	37.17V 35.23V	37.32V 35.37V	37.47V 35.51V	37.62V 35.66V	37.77V 35.80V
Max Power Current	12.39A 9.71A	12.48A 9.78A	12.56A 9.86A	12.64A 9.90A	12.72A 9.97A
Module Efficiency STC	19.30%	19.50%	19.70%	19.90%	20.10%
Power Tolerance(W)	0~+5W				
Maximum System Voltage	1500V DC				
Max Series Fuse Rating	25A				

Mechanical Specifications

External Dimension	2096*1137mm
Thickness	3.0mm/3.3mm/3.6mm
Weight	8.0kg/9.3kg/10.7kg
Solar Cell	Mono crystalline 182*91, 132(6*22)
Frame	/
Glass	/
Junction Box	IP68, 3 diodes, MC4 compatible
Output Cables	4.0mm ² (IEC), 300mm(+)/300mm(-) or Customized

Temperature Characteristics

Pmax Temperature Coefficient	-0.35 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Sc Temperature Coefficient	+0.047%/°C
Operating Temperature	-40~+85°C
Nominal module operation temperature	45±2°C

Super low light & low sun angle performance

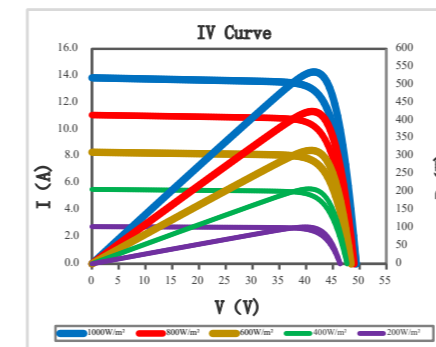
500W-530W


Product Features

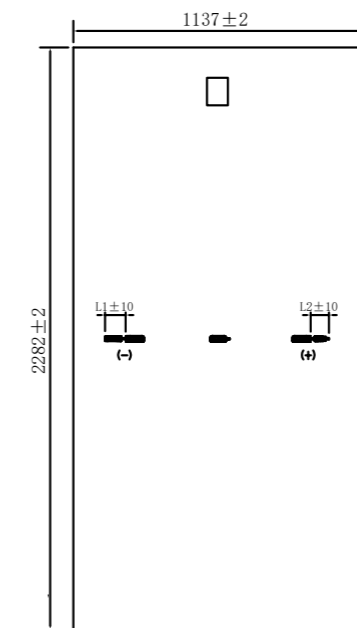
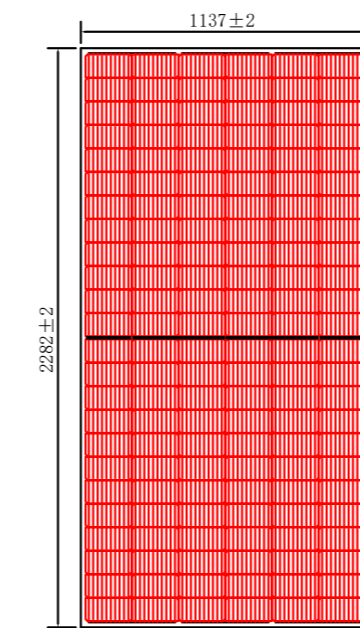
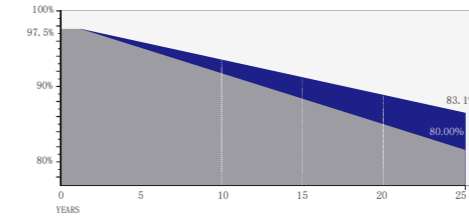
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Quality System

ISO9001
ISO14001
ISO45001



-  Quality and process performance Assurance



Electronic Parameters

Model Type	HG-L500-72CW	HG-L505-72CW	HG-L520-72CW	HG-L525-72CW	HG-L530-72CW
	STC NMOT	STC NMOT	STC NMOT	STC NMOT	STC NMOT
Maximum Power	500W 372W	505W 376W	520W 387W	525W 391W	530W 394W
Open Circuit Voltage	49.00V 45.78V	49.15V 45.92V	49.60V 46.35V	49.75V 46.49V	49.90V 46.63V
Short Circuit Current	13.35A 10.77A	13.42A 10.83A	13.63A 11.00A	13.70A 11.06A	13.76A 11.11A
Max Power Voltage	40.45V 38.34V	40.60V 38.48V	41.05V 38.91V	41.20V 39.05V	41.35V 39.19V
Max Power Current	12.37A 9.70A	12.45A 9.77A	12.68A 9.95A	12.75A 10.01A	12.83A 10.05A
Module Efficiency STC	19.30%	19.50%	20.00%	20.20%	20.40%
Power Tolerance(W)	0~+5W				
Maximum System Voltage	1500V DC				
Max Series Fuse Rating	25A				

Mechanical Specifications

External Dimension	2282*1137mm
Thickness	3.0mm/3.3mm/3.6mm
Weight	8.7kg/10.2kg/11.7kg
Solar Cell	Mono crystalline 182*91, 144(6*24)
Frame	/
Glass	/
Junction Box	IP68, 3 diodes, MC4 compatible
Output Cables	4.0mm ² (IEC), 300mm(+)/300mm(-) or Customized

Temperature Characteristics

Pmax Temperature Coefficient	-0.35 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Sc Temperature Coefficient	+0.047%/°C
Operating Temperature	-40~+85°C
Nominal module operation temperature	45±2°C