

High efficiency solar module

MONO PERC 300 WP

Our 3rd generation of 300 WP SW Premium panel is breed of its own. Made purely of mono crystalline silicon cell it is build for high performance and dependable durability to withstand even the harshest of weather conditions.

SPECIFICATIONS

-  More power per 1 sq. ft.
-  Less impact on shading
-  No microcrack effect

DIMENSIONS

Length	65.4 inch
Width	39.25 inch
Height	1.65 inch
Frame	anodized aluminium
Weight	40 lbs

THERMAL PARAMETERS

TK I _{SC}	0.0406 %/K
TK U _{OC}	-0.2845 %/K
TK P _{MPP}	-0.4079 %/K

CERTIFICATES AND WARRANTY

Certificate	IEC 61215
Product warranty	30 years
Performance guarantee	25 years at 96.5% nominal power



FREEVOLT™ SWCT



STANDARD MODULES



KEY BENEFITS



- > Increased durability
- > 25 years at 96.5% of nominal power
- > Maximum power reduction ≤0.14% per year

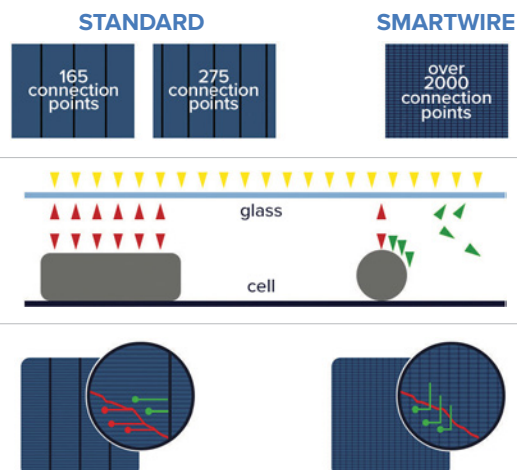


- > Significantly shorter return on investment
- > Increased energy production compared to standard BusBar technology
- > Enhanced diffused solar irradiation



- > Eliminated negative impact of microcracks on power module
- > Less impact on shading
- > Lower operating costs

DIFFERENCES IN TECHNOLOGY



FreeVolt™
RENEWABLE ENERGY COMPANY

FREEVOLT.COM | (888) FREEVOLT 373-3865 | (760) 345-0080

FreeVolt USA Inc.
42005 Cook Street Unit 310, Palm Desert, CA 92211 | CSLB# 1029455

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ELECTRICAL SPECIFICATION (STC*)

Maximum power rating	300 WP
Open circuit voltage	41.1 V
Maximum power voltage	33.4 V
Short circuit current	9.8 A
Maximum power current	9.3 A
Module efficiency	18.4 %

Tolerance of max. power rating +/- 3% *STC: 1000W/m², 25°C, AM1.5

OTHER INFORMATION

Sort by power	0 Wp/ +5 Wp
Protection Rating (IP)	IP65
Plug connector type	MC4
Maximum system voltage	1000 V
Fuse rating	20 A
Load strenght	5400 Pa/ 112.8 Psf
Bypass diodes	3
Max. Operating temperature	-40°C to +85°C

MATERIALS

Cell number	60
Cell type	monocrystalline PERC
Cell dimensions	6.17 inch x 6.17 inch
Front side	0.126 in tempered solar glass
Encapsulant	TPO
Cell electrode connections	18

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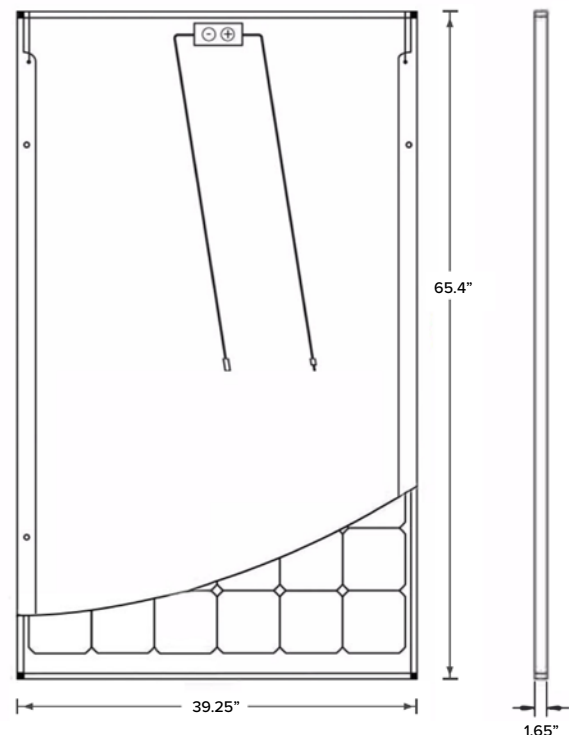
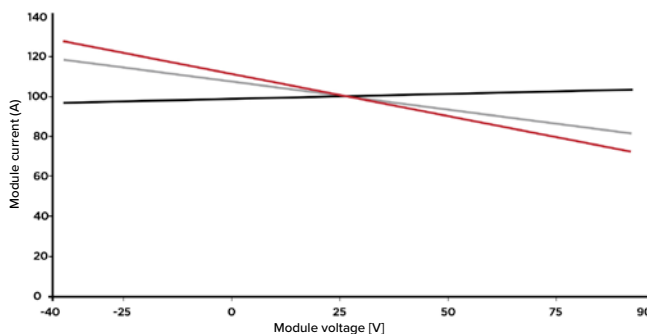
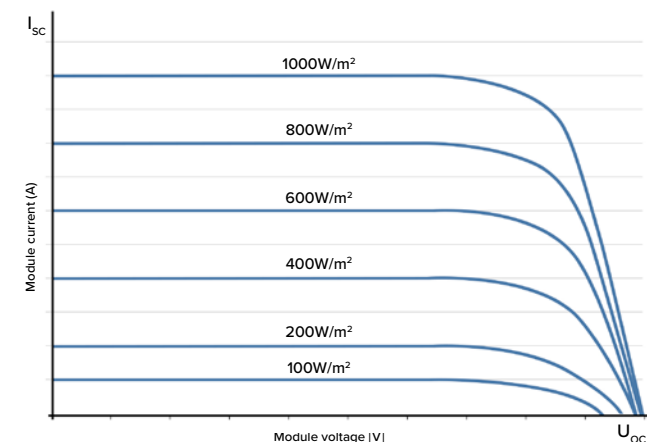
live-long™
TECHNOLOGY



stay-powerful™
TECHNOLOGY



work-smart™
TECHNOLOGY



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