

Data Sheet



Module can bear snow loads up to 5400Pa and wind loads up to 3800Pa



Guaranteed power output(0~+3%)



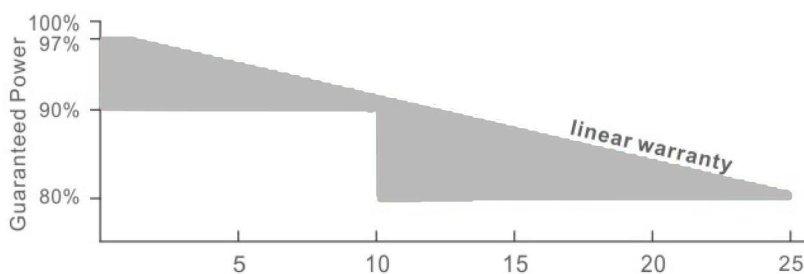
High performance under low light conditions (Cloudy days, mornings and evenings)



Black frame and black sheet are optional with aesthetic module appearance



Passed PID Test, Fire Test, Salt Mist Corrosion Test and Ammonia Corrosion Test



25-year linear power warranty

10-year product warranty



Silver - P305W / P300W / P295W - SC-72

ELECTRICS

Electrical Parameters Standard Test Conditions

Module Type			UL-295P-72	UL-300P-72	UL-305P-72
Power Output	P _{max}	W	295	300	305
Power Tolerance	ΔP _{max}	%		0/+3	
Module Efficiency	η _m	%	15.25	15.48	15.74
Voltage at P _{max}	V _m	V	36.4	36.5	36.6
Current at P _{max}	I _m	A	8.11	8.22	8.34
Open-Circuit Voltage	V _{oc}	V	44.9	45.1	45.2
Short-Circuit Current	I _{sc}	A	8.55	8.62	8.73

STC: 1000w/m² irradiance, 25°C module temperature, AM1.5 spectrum.

THERMAL

Nominal Operating Cell Temperature	NOCT	°C	45±2
Temperature Coefficient of P _{max}	γ	%/°C	-0.403
Temperature Coefficient of V _{oc}	β _{voc}	%/°C	-0.330
Temperature Coefficient of I _{sc}	α _{isc}	%/°C	+0.065

OPERATIONAL INFORMATION

Max. System Voltage	1000V
Max. Series Fuse Rating	15A
Operating Temperature Range	-40°C~85°C
Max. Static Load, Front(e.g., snow and wind)	5400Pa
Max. Static Load, Back(e.g., wind)	3800Pa
Application Class	A

CONSTRUCTION

Front Cover(material/type/thickness)	low-iron tempered glass/3.2mm
Cell(quantity/material/type/dimension)	72/polycrystalline/156x156mm
Encapsulant(material)	ethylene vinyl acetate(EVA)
Frame(material/anodization color)	anodized aluminum alloy/silver or black
Junction Box(protection degree)	IP67
Cable(length/cross-sectional area)	1100mm/4mm ²
Plug Connector	MC4 compatible

SIZE & WEIGHT

Dimension(L/W/H)	1953/992/46mm
Weight	22.5kg

LOADING INFORMATION

Pallet Size(L/W/H)	2045/1120/2300mm
Pallet Weight	1070kg
Pieces per Pallet	44pcs
Pieces per Container	484pcs

I-V CURVE

