

Electrical performance

Module type			UL-300M-60DG	UL-325M-60DG
Power output	P _{max}	W	300	325
Power tolerance	Δ P _{max}	W	0/+5	0/+5
Module efficiency		%	18.24	19.86
Voltage at P _{max}	V _m	V	32.5	33.3
Current at P _{max}	I _m	A	9.23	9.76
Open circuit voltage	V _{oc}	V	40.0	40.8
Short circuit current	I _{sc}	A	9.64	10.17

STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3

Thermal characteristics

Nominal Operating Cell Temperature	NOCT	°C	45±2
Temperature Coefficient of P _{max}	γ	%/°C	-0.390
Temperature Coefficient of V _{oc}	β _{voc}	%/°C	-0.290
Temperature Coefficient of I _{sc}	α _{isc}	%/°C	+0.049

Operating conditions

Max system voltage	1000V/1500V
Max series fuse rating	15A
Operating temperature range	-40°C~85°C
Max static snow load	8100Pa
Max static wind load	3600Pa

Mechanical data

Solar cells	Monocrystalline 156.75 x 156.75mm
Cell orientation	6 x 10 cells
Module dimensions	1658 x 992 x 7.5mm
Module dimensions (junction box included)	1658 x 992 x 26mm
Weight	28 kg
Front glass	3.2 mm full tempered glass
Back glass	3.2 mm full tempered glass
Frame	Frameless
Junction box	IP67
Cable	1400mm / 4mm ²
Plug connectors	MC4 compatible
Fire rating class	A



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Certificates

TÜV SÜD	CEC	KS
TÜV NORD	MCS	Bloomberg Tier 1
UL	CQC	ISO9001:2015
CE	INMETRO	ISO14001:2015
JET	NRE	BS OHSAS 18001:2007

Insurances

CHUBB (USA)	Solarif (The Netherlands)	AON (Japan)
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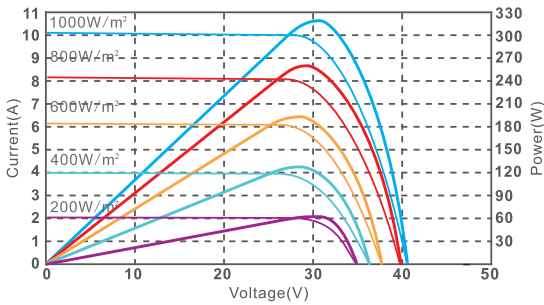
Waranties

Product warranty	20 years
Power warranty	30 years

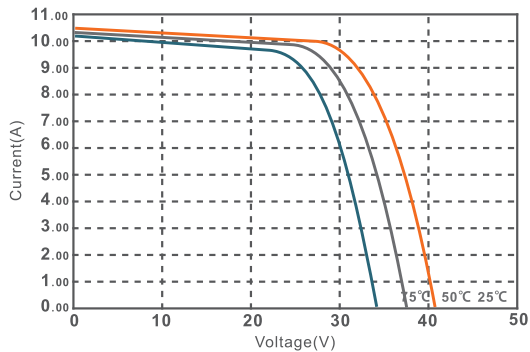
Electrical curves

UL-325M-60DG

I-V Characteristics at different irradiations



I-V Characteristics at different temperature



Module diagram

