

DS-280P6-60

Poly-Crystalline Solar Module
260-280 Watt 6inch 60cells



Unique cell design with 5 bus-bar for higher efficiency and module stability



Excellent low light performance
On cloudy days, mornings and evenings



PID Free Module
Anti-PID material
Anti-PID cell technology



0 to +3% positive tolerance



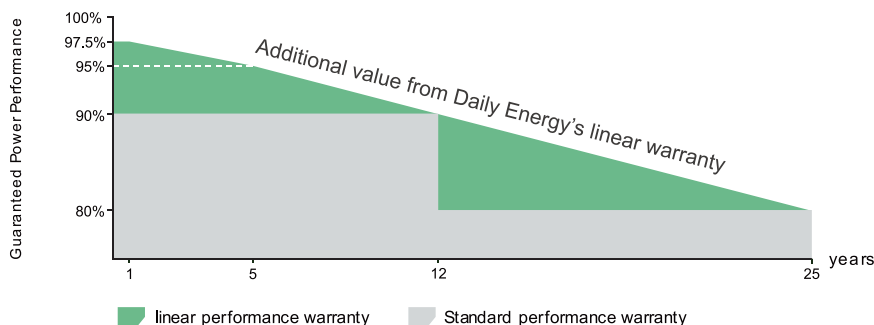
High conversion efficiency
High module efficiency to guarantee power output



Wind load of up to 2400Pa and heavy snow load of up to 5400Pa

LINEAR PERFORMANCE WARRANTY

- ※ 10 years for product defects in materials and workmanship
- ※ 12 years for 90% of warranted minimum power output
- ※ 25 years for 80% of warranted minimum power output



ELECTRICAL PERFORMANCE

All specified Parameters are at STC 25°C Ambient, 1000W/m² irradiance and AM 1.5

Type		DS-260P6-60	DS-265P6-60	DS-270P6-60	DS-275P6-60	DS-280P6-60
Power Output	Pmax(W)	260	265	270	275	280
Power Output Tolerance	Pmax(%)	0~+3	0~+3	0~+3	0~+3	0~+3
Max-Power Voltage	Vmp(V)	30.40	30.60	30.80	31.00	31.20
Max-Power Current	Imp(A)	8.55	8.66	8.77	8.87	8.97
Open-Circuit Voltage	Voc(V)	37.50	37.70	37.90	38.10	38.30
Short-Circuit Current	Isc(A)	9.12	9.23	9.32	9.46	9.57
Cell Efficiency	(%)	18.20	18.50	18.90	19.20	19.60
Module Efficiency	(%)	16.00	16.30	16.60	16.90	17.20

THERMAL CHARACTERISTICS

Nominal Operating Cell Temperature	NOCT(°C)	45±2
Temperature Coefficients of Pmax	(%/°C)	-0.420
Temperature Coefficients of Voc	(%/°C)	-0.304
Temperature Coefficients of Isc	(%/°C)	0.040

OPERATING CONDITIONS

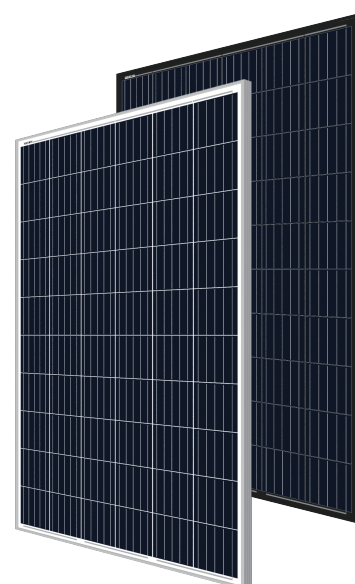
Maximum System Voltage	(VDC)	1000V(IEC)
Maximum Series Fuse	(A)	15
Operating Temperature	(°C)	-40~+85
Maximum Load(snow/wind)		5400pa/2400pa

MECHANICAL CHARACTERISTICS

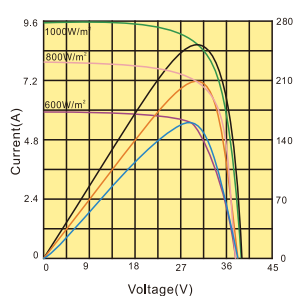
Solar cells(type/dimension)	Poly-Crystalline Silicon/156mm*156mm
Cells number	60pcs(6*10)
Front cover(material/thickness)	Low iron tempered glass/3.2mm
Backsheet(color)	White
Frame(material/color)	Anodized aluminum alloy/Silver
Junction box(protection degree)	≧ IP65
Cables/Plug Connector	Diameter 4mm ² , Length 900mm/MC4 or MC4 compatible
Module Dimension	1640×992×35mm
Module Weight	19kg

PACKING DETAILS

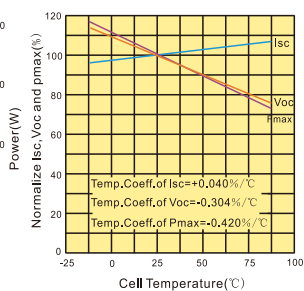
Container	20'GP	40'HQ
Pieces per pallet	60	66
Pallets per container	6	14
Pieces per container	360	924



Electrical performance (cell temperature:25°C)



Temperature dependence of Isc, Voc and pmax



Irradiance dependence of Isc, Voc and pmax cell.temperature:25°C

