

LDK295-275W

60-cell Monocrystalline PV Module



QUALITY & EFFICIENCY BENEFITS



Excellent performance under low irradiance
High efficiency under weak light conditions due to advanced cell technology



Anti-PID Performance
Selection of materials and excellent workmanship minimize the impact by 85%RH 85°C.



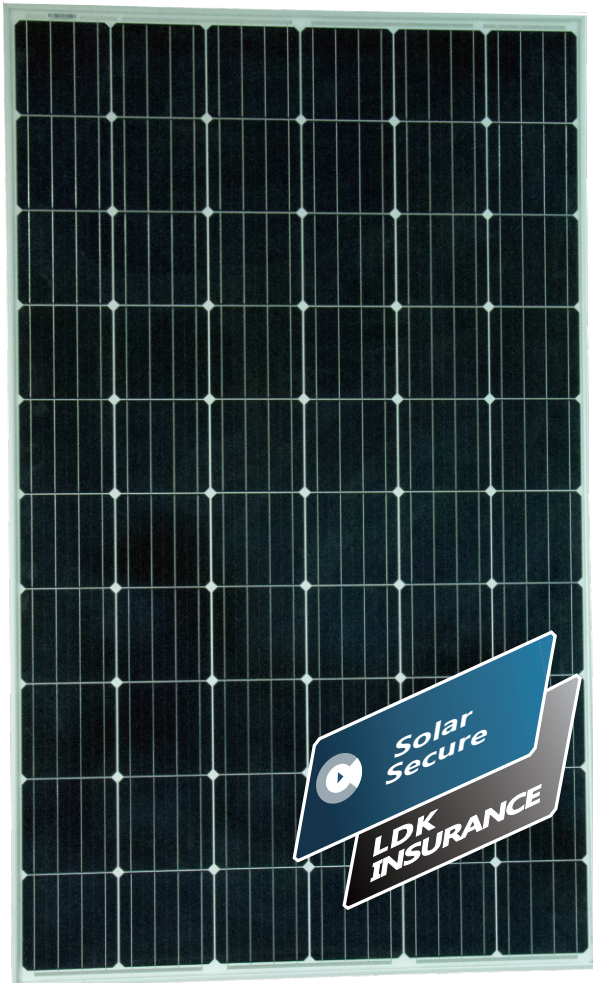
High reliability
0/+5W Positive power tolerance for reliable power output



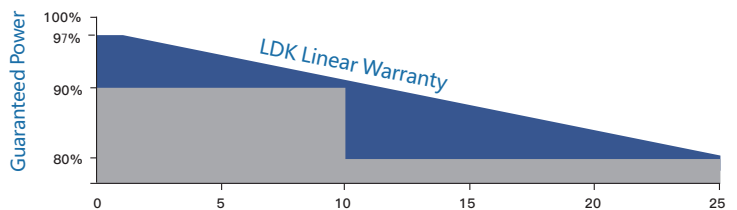
Highly resistant to Extreme environment
Adapt to the environment of salt mist resistance and ammonia resistance for seaside and farm



Certified to withstand challenging environmental conditions
2400 Pa wind load
5400 Pa snow load

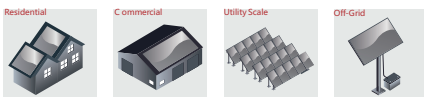


WARRANTY BENEFITS



LDK Solar offer 10 years product warranty and 25 years linear warranty

APPLICATION RECOMMENDATION



QUALITY & ENVIRONMENTAL CERTIFICATES

ISO 9001 Quality Standards ISO 14001 Environmental Standards OHSAS 18001 Occupational Health & Safety Standards



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60-cell Multicrystalline PV Module



ELECTRIC CHARACTERISTICS (STC)

Power Class	295	290	285	280	275
Nominal Power(Pmax) [W]	295	290	285	280	275
Minimum Power Output [W]	295	290	285	280	275
Voltage at Pmax(VMP) [V]	33.15	32.73	32.31	31.89	31.46
Current at Pmax(IMP) [A]	8.90	8.86	8.82	8.78	8.74
Open Circuit Voltage(Voc) [V]	39.80	39.28	39.03	38.91	38.72
Short Circuit Current(Isc) [A]	9.43	9.39	9.35	9.31	9.26
Tolerance on Nominal Power [W]	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W
Maximum System Voltage [V]	IEC EN/UL:1000V				
Cell Efficiency [%]	20.60	20.23	19.88	19.53	19.18
Module Efficiency [%]	18.03	17.72	17.41	17.11	16.80

STC(Standard Test Conditions):Irradiance 1000w/m²; Cell temperature 25°C, Air Mass AM1.5
Best in Class AAA solar simulator(IEC60904-9)is used ,With power measurement uncertainty within±3%

ELECTRICAL CHARACTERISTICS AT NOCT

Power Class	295	290	285	280	275
Output Power(Pmax) [W]	214	210	206	203	199
Voltage at Pmax(VMP) [V]	29.44	29.00	28.57	28.27	27.87
Current at Pmax(IMP) [A]	7.27	7.24	7.21	7.18	7.14
Open Circuit Voltage(Voc) [V]	36.85	36.37	36.14	36.03	35.85
Short Circuit Current(Isc) [A]	7.63	7.60	7.57	7.54	7.50

NOCT(Nominal Operating Cell Temperature):Irradiance 800w/m², Ambient temperature 20°C, Wind speed 1m/s
Best in Class AAA solar simulator(IEC60904-9)is used ,With power measurement uncertainty within±3%

TEMPERATURE CHARACTERISTICS

NOCT	45±2°C
Pmax Temperature Coefficient(γ)	-0.47%/°C
Voc Temperature Coefficient(β)	-0.34%/°C
Isc Temperature Coefficient(α)	0.06%/°C
Series Fuse Maximum Rating	15A
Operating Temperature	From -40 to +85°C
Storage Temperature	From -40 to +60°C

MECHANICAL CHARACTERISTICS

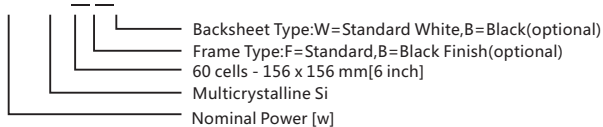
Solar Cell	60(6×10)monocrystalline sillon 156×156mm[6 inch]solar cells
Front Glass	3.2mm[0.13 in]high transparency AR-coated tempered glass
Back Cover	white Backsheet
Encapsulant	EVA(Ethylene-Vinyl Acetate)
Frame	Double-layer anodized aluminium alloy ,silver
Junction Box	IP67 rated, with serviceable bypass diodes
Cables	UV resistant solar cable.1000mm[39.37 in]. Section 4.0mm ² [12AWG]
Connectors	MC4 compatible connectors
Dimensions	1650×992×40mm[64.96×39.05×1.57 in]
Weight	19kg[41.8lbs]
Max.Load	Wind Load:2400 Pa/ Snow Load:5400 Pa

PACKING CONFIGURATION

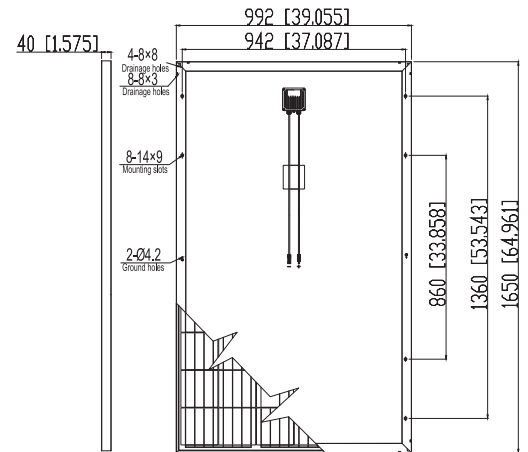
Quantity / Pallet	27 pcs./pallet
Pallet / Container	28 pallets/container
Loading Capacity	756 pcs./40ft High Cube Container

MODULE TYPE CODING RULE

LDK XXX PA

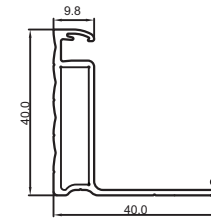


DIMENSIONS

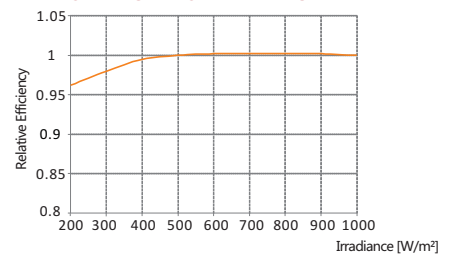


Module dimensions are expressed in mm [in] with tolerance ±2 mm [±0.079 in]

NEW FRAME CROSS SECTION

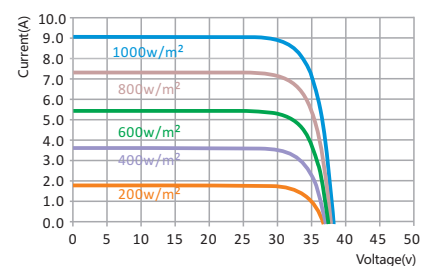


PERFORMANCE AT LOW IRRADIANCE



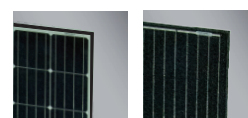
The typical relative change in module efficiency at an irradiance of 200 W/m² in relation to 1000 W/m² (both at 25°C and spectrum AM 1.5) is less than 3.5%

I-V CURVE AT DIFFERENT IRRADIANCE LEVELS



Above graphs are referred to 280W type

PRODUCT OPTIONS



Black frame Full black