








M2 SERIES DOUBLE GLASS MODULE AP60HG 270~290W



M2 SERIES

LDK redefined the high-efficiency module series by integrating 157mm silicon wafers with multi-busbar and half-cut cell technologies. LDK module combined creative technology effectively and extremely improved the module efficiency and power output.

KEY FEATURES

-  Higher system voltages can effectively reduce BOS
-  Lower operating temperature and temperature coefficient, obtain higher profit
-  Significantly reduce the effect of hot spot temperature and shadow shielding
-  Double Glass design for better mechanical load performance
-  Ease of use in more demanding environments

MANAGEMENT SYSTEM

- ISO9001:2015
- ISO14001:2015
- OHSAS18001:2007

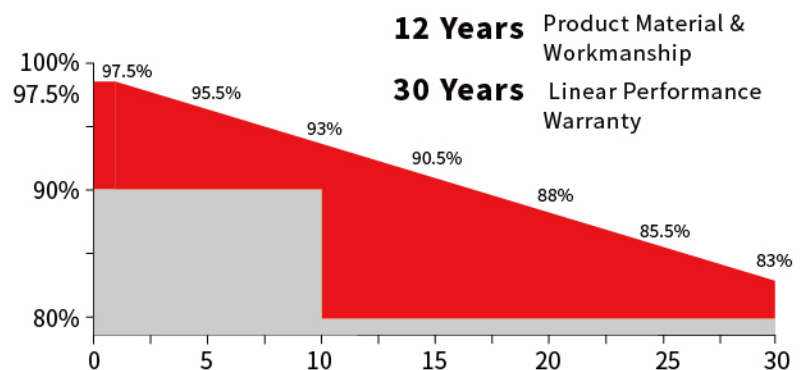
PRODUCT CERTIFICATION



LDK is a leading manufacturer and service provider of professional pv cells and modules that can be widely utilized in residence, commerce and ground pv plant.

LDK provides PV products with exceptional power output and reliability by integrating rigorous design, advanced production technology and fully automatic production equipment. Strict quality control and test standards confirm its pursuit of high quality output.

WARRANTY



XinYu LDK Power Supply Technology Co.,Ltd

ADD: No. 1950 SaiWei Avenue, High-Tech, Industrial Development Zone, XinYu City, JiangXi Province, P.R. CHINA

ELECTRICAL PARAMETERS@STC AP60HG-270~290

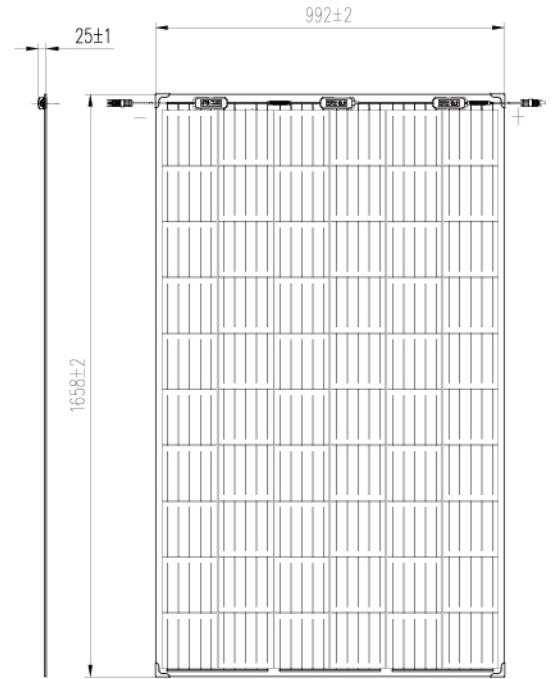
| | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|
| Max. Power Output Pmax (W) | 270 | 275 | 280 | 285 | 290 |
| Power Tolerance | 0~3% | 0~+3% | 0~+3% | 0~+3% | 0~+3% |
| Max. Power Voltage Vmp (V) | 31.58 | 31.87 | 32.15 | 32.43 | 32.70 |
| Max. Power Current Imp (A) | 8.55 | 8.63 | 8.71 | 8.79 | 8.87 |
| Open Circuit Voltage Voc (V) | 37.87 | 38.14 | 38.42 | 38.69 | 38.98 |
| Short Circuit Current Isc (A) | 9.13 | 9.20 | 9.27 | 9.35 | 9.42 |
| Module Efficiency (%) | 16.42 | 16.72 | 17.02 | 17.33 | 17.63 |

STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25OC, Air Mass 1.5

ELECTRICAL PARAMETERS@NMOT

| | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|
| Max. Power Output Pmax (W) | 203 | 206 | 209 | 213 | 216 |
| Max. Power Voltage Vmp (V) | 29.29 | 29.58 | 29.87 | 30.14 | 30.42 |
| Max. Power Current Imp (A) | 6.92 | 6.95 | 7.00 | 7.06 | 7.11 |
| Open Circuit Voltage Voc (V) | 35.54 | 35.76 | 36.01 | 36.26 | 36.53 |
| Short Circuit Current Isc (A) | 7.37 | 7.42 | 7.48 | 7.54 | 7.60 |

Nominal Module Operating Temperature (NMOT), Irradiance of 800W/m², Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s



TEMPERATURE COEFFICIENTS

| | |
|---------------------------------|------------|
| Temperature Coefficients of Pmp | -0.37%/°C |
| Temperature Coefficients of Voc | -0.31%/°C |
| Temperature Coefficients of Isc | +0.049%/°C |

MECHANICAL PARAMETERS

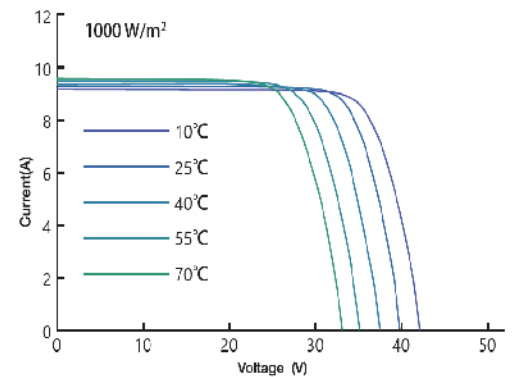
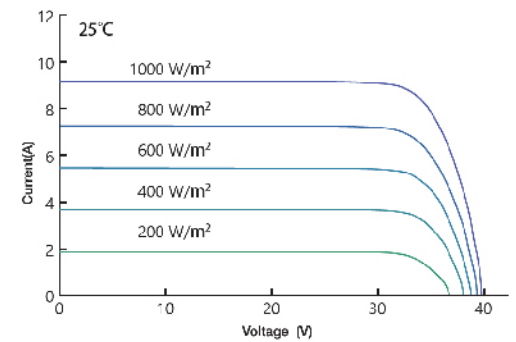
| | |
|--------------------|--|
| Cell Type | Poly 157×157mm |
| Number of Cells | 60pcs (6×10) |
| Dimensions (L*W*H) | 1658×992×6mm |
| Weight | 23kg |
| Frame | Anodized Aluminum |
| Junction Box | IP67, 3 bypass diodes |
| Cable, Length | 4mm ² , 225 (+) / 75 (-) mm |

OPERATING CONDITION

| | |
|--------------------------------|-----------|
| Maximum System Voltage(V) | 1500 (DC) |
| Operating Temperature(°C) | -40~+85 |
| Max. Wind Load / Snow Load(pa) | 2400/5400 |
| Max. Over Current(A) | 20 |
| Application Class | Class A |
| Fire Rating | Class A |
| NMOT(°C) | 42±3 |

PACKAGE INFORMATION

| | |
|------------|-----------------|
| Per Pallet | 33 pcs |
| 40' HQ | 858 (66×13) pcs |



*Power measurement tolerance: ±3%

*No notice when product specifications change

Dealer information



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