170P-175P-180P-185P-190P-195P-200P-24(s)

Import Sun Pv



WHY LDK SOLAR MODULES

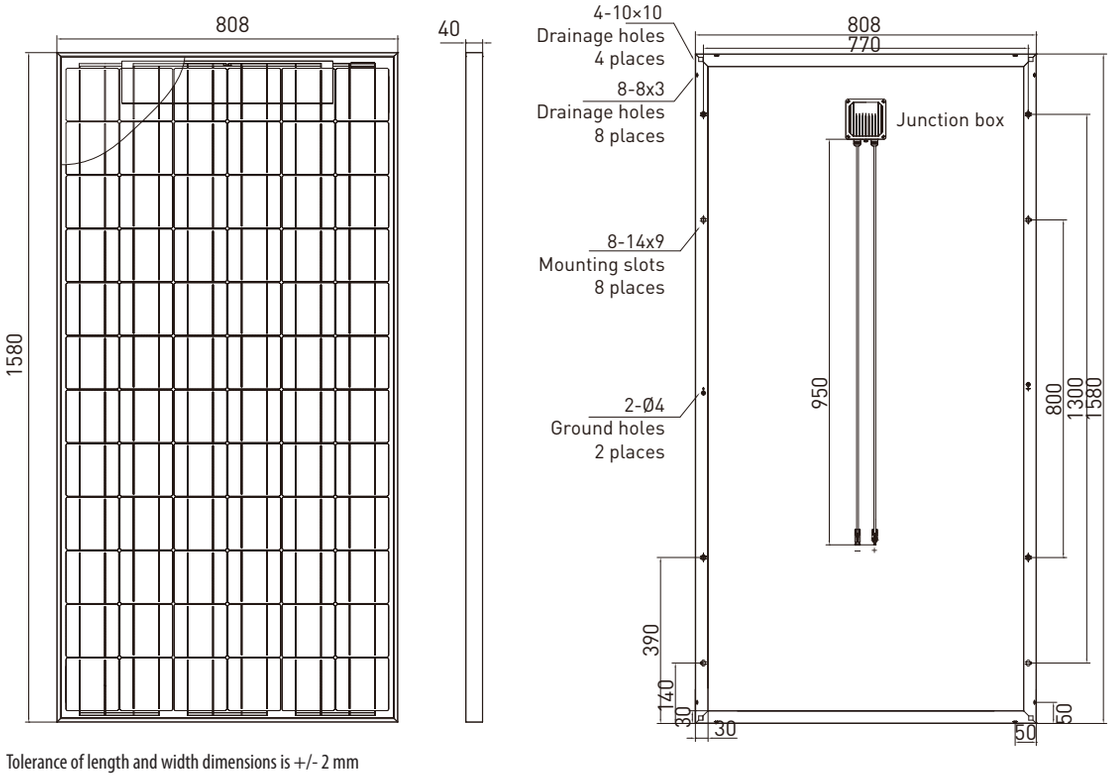
- Industry leading module power output warranty
- International quality, safety and performance certifications
- Modules manufactured in ISO 9001 certified factories
- High-reliability with guaranteed 0/+5 Wp peak power classification

WARRANTIES

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

CERTIFICATES

- IEC EN 61215, IEC EN 61730-1-2, CE Conformity
- UL 1703 2002/03/15 Ed:3 Rev:2008/04/08
- ULC/ORD-C1703-01 second edition 2001/01/01
- UL and Canadian standard for safety flat-plate
- ISO 9001:2008 Quality Management System
- CEC Listed: modules are eligible for California rebates
- PV CYCLE: voluntary module take back and recycling program
- MCS The Microgeneration Certification Scheme UK



Tolerance of length and width dimensions is +/- 2 mm

POLYCRYSTALLINE MODULES

ELECTRICAL CHARACTERISTICS (STC*)

TYPE	170P-24(s)	175P-24(s)	180P-24(s)	185P-24(s)	190P-24(s)	195P-24(s)	200P-24(s)
Nominal Output (Pmax) [Wp]	170	175	180	185	190	195	200
Voltage at Pmax (Vmp) [V]	35.9	36.1	36.4	36.8	37.2	37.5	37.8
Current at Pmax (Imp) [A]	4.76	4.87	4.96	5.02	5.1	5.2	5.3
Open Circuit Voltage (Voc) [V]	44.0	44.3	44.6	44.9	45.1	45.3	45.5
Short Circuit Current (Isc) [A]	5.13	5.21	5.28	5.51	5.6	5.69	5.78
The power tolerance is +/- 3% referred to the Nominal Output							
Maximum System Voltage	IEC: 1000 V / UL: 600 V						
Cell Efficiency [%]	15.58	16.04	16.49	16.95	17.41	17.87	18.33
Module Efficiency [%]	13.32	13.71	14.10	14.49	14.88	15.27	15.67

STC* (Standard Test Conditions): Irradiance 1000 W/m², Module Temperature 25 °C, Air Mass 1.5

ELECTRICAL PERFORMANCE AT NOCT

TYPE	170P-24(s)	175P-24(s)	180P-24(s)	185P-24(s)	190P-24(s)	195P-24(s)	200P-24(s)
Nominal Output (Pmax) [W]	123	127	130	134	138	141	145
Voltage at Pmax (Vmp) [V]	32.6	33.1	33.6	33.6	34.1	34.6	35
Current at Pmax (Imp) [A]	3.77	3.83	3.87	3.99	4.05	4.1	4.16
Open Circuit Voltage (Voc) [V]	40.5	40.8	41.1	41.3	41.5	41.7	41.9
Short Circuit Current (Isc) [A]	4.15	4.22	4.27	4.46	4.53	4.6	4.67

NOCT: Irradiance 800 W/m², Module Temperature 45 +/- 2 °C, Air Mass 1.5

TEMPERATURE CHARACTERISTICS

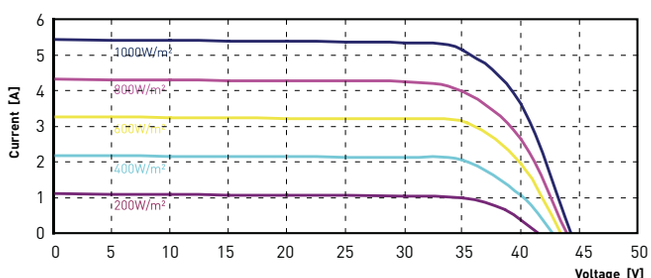
TYPE	LDK-P-24(s) Series
NOCT**	45 +/- 2 °C
Temperature Coefficient of Pmax	-0.47 %/°C
Temperature Coefficient of Voc	-0.34 %/°C
Temperature Coefficient of Isc	0.06 %/°C
Maximum Series Fuse Rating	20 A
Operating Temperature	from -40 to +85 °C
Storage Temperature	from -40 to +60 °C

NOCT**: Nominal Operation Cell Temperature Sun 800 W/m²; Air 20 °C; wind speed 1 m/s

MECHANICAL CHARACTERISTICS

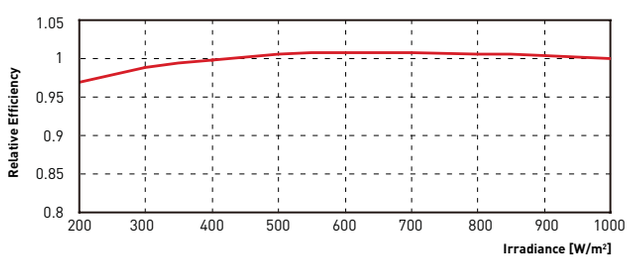
TYPE	LDK-P-24(s) Series
Solar Cells	72 (6x12) polycrystalline silicon solar cells 125 x 125 mm
Front Cover	3.2 mm thick, tempered glass / AR coating glass
Back Cover	TPT (Tedlar-PET-Tedlar) / BBF
Encapsulant	EVA (ethylene vinyl acetate)
Frame	Double-layer anodized aluminium alloy
Diodes	6 Bypass diodes serviceable
Junction Box	IP65 rated
Connectors	MC4 or compatible connectors
Cables	Lentgh: 950 mm / Section: 4.0 mm²
Dimensions	1580 x 808 x 40 mm / 62.4 x 31.8 x 1.6 in
Weight	15.6 kg / 34.4 lbs
Max. Load	Wind Load: 2400 Pa / Snow Load: 5400 Pa

I-V CURVE AT DIFFERENT IRRADIANCE LEVELS



Above graphics according to LDK-175P-24(s)

PERFORMANCE AT LOW IRRADIANCE



The typical relative change in module efficiency at an irradiance of 200W/m² in relation to 1000W/m² (both at 25 °C and AM 1.5 spectrum) is less than 6%

PACKING CONFIGURATION

TYPE	LDK-P-24(s) Series
Packing Configuration	25 pcs. / box
Quantity / Pallet	50 pcs. / pallet
Loading Capacity	700 pcs. / 40 ft (High Cube Container)

LDK Solar reserves the right to make specifications changes without any prior notice. This data sheet complies with the EN 50380 requirements. V4 - September 2011 - © LDK Solar Limited. All rights reserved. E.&O.E.

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