

SPT-LDK 195D+

Polycrystalline Module



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/+5W 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: IEC 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
- ISO9001 :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



POLYCRYSTALLINE MODULE

ELECTRICAL CHARACTERISTICS (STC*)

TYPE	195D-24(s)
Nominal Output (Pmax) [Wp]	195
Voltage at Pmax (Vmp) [V]	37.5
Current at Pmax (Imp) [A]	5.2
Open Circuit Voltage (Voc) [V]	45.3
Short Circuit Current (Isc) [A]	5.69
The power tolerance is +3% referred to the Nominal Output	
Maximum System Voltage	IEC: 1000 V / UL: 600 V
Cell Efficiency [%]	17.87
Module Efficiency [%]	15.27

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

ELECTRICAL PERFORMANCE AT NOCT

TYPE	195D-24(s)
Nominal Output (Pmax) [W]	192
Voltage at Pmax (Vmp) [V]	31.6
Current at Pmax (Imp) [A]	6.07
Open Circuit Voltage (Voc) [V]	40.7
Short Circuit Current (Isc) [A]	6.59

NOCT: Irradiance 800 W/m², Module Temperature 45 +/- 2 °C; wind speed 1m/s

TEMPERATURE CHARACTERISTICS

TYPE	LDK-D-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; wind speed 1 m/s

POLYCRYSTALLINE MODULE

MECHANICAL CHARACTERISTICS

TYPE	LDK-D-20 Series
Solar Cells	60 (6x10) monocrystalline silicon solar cells 156x156 mm
Front Cover	3.2 mm thick, tempered glass / AR coating glass
Back Cover	TPT (Tedlar-PET-Tedlar) / BBF
Encapsulant	EVA (ethylene vinyl acetata)
Frame	Double-layer anodized aluminium alloy
Diodes	6 Bypass diodes serviceable
Junction Box	IP65 rated
Connectors	MC4 or compatible connectors
Cables	Lentgh: 1000 mm / Section: 4.0 mm ²
Dimensions	1642 x 994 x 40 mm / 64.2 x 39.1 x 1.6 in
Weight	20 kg / 44.1 lbs
Max. Load	Wind Load: 2400 Pa / Snow Load: 5400 Pa

PACKING CONFIGURATION

TYPE	LDK-D_20 Series
Packing configuration	25 pcs. / box
Quantity / Pallet	50 pcs. / pallet
Loading Capacity	700 pcs. / 40 ft (High Cube Container)