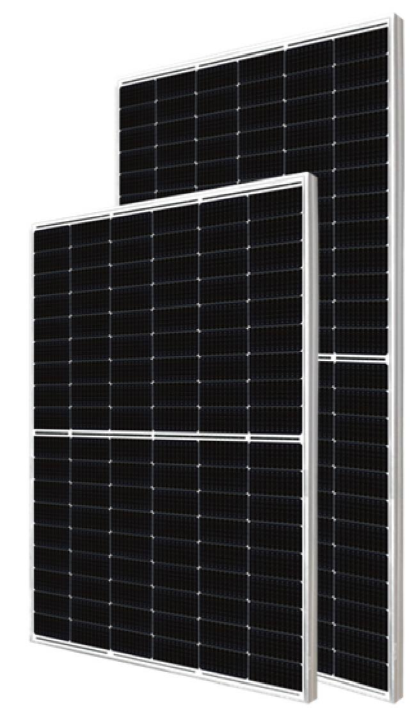
SOLAR PV MODULES

Sunlight: Powering the Energy Revolution

KLD-NS Series Single-sided Solar Photovoltaic Module (400-670W)



Safe and reliable

Monocrystalline silicon cells minimize the impact of battery microcrack on module reliability.

High conversion efficiency

Maximum module efficiency of 22.1%.

Easy installation

Compact size, lightweight, offering in N-type, single-sided, and 182/210 options.

Widely applicable

Compatible with various roof types, offering fixed and tracking options with a range of brackets.

Technical parameters

Model	KLD-NS535	KLD-NS540	KLD-NS545	KLD-NS550	KLD-NS555	KLD-NS560
Maximum output power (Pmax)	535W	540W	545W	550W	555W	560W
Optimal operating voltage (Vmp)	41.1V	41.3V	41.5V	41.7V	41.9V	42.1V
Optimal operating current (Imp)	13.02A	13.08A	13.14A	13.20A	13.25A	13.31A
Open circuit voltage (Voc)	49.0V	49.2V	49.4V	49.6V	49.8V	50V
Short circuit current (Isc)	13.85A	13.90A	13.95A	14A	14.05A	14.10A
Module efficiency	20.70%	20.90%	21.10%	21.30%	21.50%	21.7%
Operating tem perature	-40°C ~ +85°C					
Maximum system voltage	1500V (IEC)or1000V (IEC)					
Fire rating of module	CLASS C (IEC61730)					
Maximum fuse rating	25A					
Application class	ClASS A					
Output power tolerance	0 ~ + 10 W					
* Standard test conditions (STC): Irradiance = 1000 W/m², cell temperature = 25°C, AM=1.5						

Note: For detailed specifications of the entire KLD-NS series, please consult the company.

KLD-NW Series Double-sided Solar Photovoltaic Module: (490-715W)

Safe and reliable

Monocrystalline silicon cells with low hot-spot risk, effectively reducing power output loss under shaded occlusion.

Higher power

Utilizing 210 mm silicon wafers and 132/120 double-sided half-cut cells for increased power generation.

Simple installation

Compatible with various roof types including N-type, double-sided, and 210; fixed and tracking options available

Higher returns

Double-sided gain results in higher power output and lower system costs, reducing the levelized cost

Technical parameters

Model		Maximum output power (Pmax)	Optimal operating voltage (Vmp)	Optimal operating current (Imp)	Open circuit voltage (Voc)	Short circuit current (Isc)	Module efficiency
KLD-NW580		580W	34.1V	17.02A	40.5V	18.27A	20.50%
Double-sided gain	5%	609W	34.1V	17.87A	40.5V	19.18A	21.50%
	10%	638W	34.1V	18.72A	40.5V	20.10A	22.50%
	20%	696W	34.1V	20.42A	40.5V	21.92A	24.60%
KLD-NW585		585W	34.3V	17.06A	40.7V	18.32A	20.70%
Double-sided gain	5%	614W	34.3V	17.91A	40.5V	19.24A	21.70%
	10%	644W	34.3V	18.78A	40.5V	20.15A	22.80%
	20%	702W	34.5V	20.47A	40.5V	21.98A	24.80%
KLD-NW590		590W	34.5V	17.11A	40.9V	18.37A	20.80%
Double-sided gain	5%	620W	34.5V	17.98A	40.9V	19.29A	21.90%
	10%	649W	34.5V	18.82A	40.9V	20.21A	22.90%
	20%	708W	34.5V	20.53A	40.9V	22.04A	25.00%
KLD-NW595		595W	34.7V	17.15A	41.1V	18.42A	21.00%
Double-sided gain	5%	625W	34.7V	18.88A	41.1V	19.34A	22.10%
	10%	655W	34.7V	20.58A	41.1V	20.26A	23.10%
	20%	714W	34.7V	20.58A	41.1V	22.10A	25.20%
KLD-NW600		600W	34.9V	17.20A	41.3V	18.47A	21.20%
Double-sided gain	5%	630W	34.9V	18.06A	41.3V	19.39A	22.30%
	10%	660W	34.9V	18.92A	41.3V	20.32A	23.30%
	20%	720W	34.9V	20.64A	41.3V	22.16A	25.40%
KLD-NW605		605W	35.1V	17.25A	40.5V	18.52A	21.40%
Double-sided gain	5%	635W	35.1V	18.11A	41.5V	19.45A	22.40%
	10%	666W	35.1V	18.98A	41.5V	20.37A	23.50%
	20%	726W	35.1V	20.07A	41.5V	22.22A	25.70%
KLD-NW610		610W	35.3V	17.29A	41.7V	18.57A	21.60%
Double-sided gain	5%	641W	35.3V	18.15A	40.7V	19.50A	22.60%
	10%	671W	35.3V	19.02A	40.7V	20.43A	23.70%
	20%	732W	35.3V	20.75A	40.7V	22.28A	25.90%

Note: For detailed specifications of the entire KLD-NW series, please consult the company.

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