



Lightweight Solar

LWS500-72CW

LWS505-72CW

LWS520-72CW

LWS525-72CW

LWS530-72CW

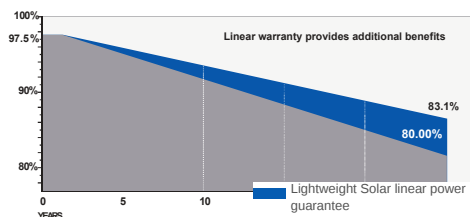


Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001 : 2015 Quality Management System

ISO 14001 : 2015 Environment Management System



Lightweight

Optimized composite materials, 70% lighter at the same power.



Flexible

Flexional encapsulating and patent materials.



Excellent Appearance and Performance

Esthetics module design, no flare effect, "0" risk of micro crack.



Easy transportation and installation

Original design making it far less costly for transportation and installation.



Customization

Customization for various scenarios, high additional value.



Superior Performance at Low Irradiance

Excellent low irradiance performance, increase power generation in low-light conditions like mornings, evenings and cloudy days.

S.flex™ Ultra Light Flexible PV Module

530W

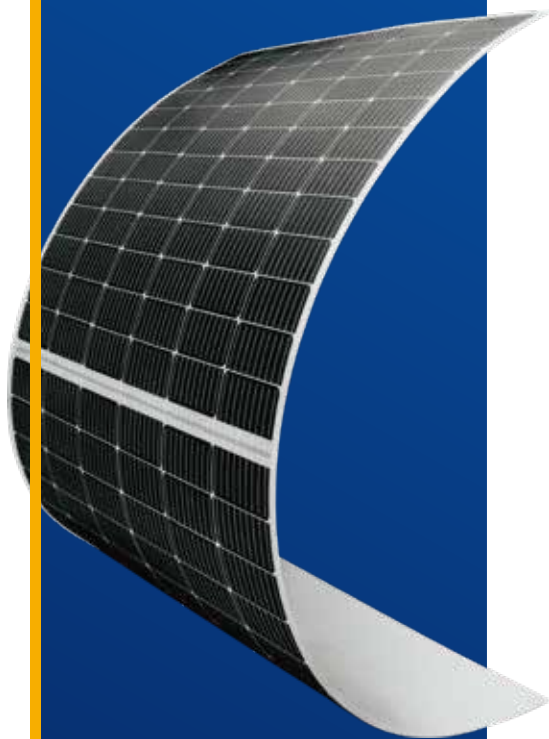
Maximum Output Power

20.70%

Maximum Module Efficiency

0~+5W

Power Output Tolerance



Electrical Data (STC)

Part Number	LWS500-72CW	LWS505-72CW	LWS520-72CW	LWS525-72CW	LWS530-72CW
Peak Power Watts-P _{MAX} (Wp)*	500	505	520	525	530
Power Output Tolerance	0 ~ +5W				
Open Circuit Voltage-V _{oc} (V)	49.00	49.15	49.60	49.75	49.90
Short Circuit Current-I _{sc} (A)	13.35	13.42	13.63	13.70	13.76
Maximum Power Voltage-V _{MPP} (V)	40.45	40.60	41.05	41.20	41.35
Maximum Power Current-I _{MPP} (A)	12.37	12.45	12.68	12.75	12.83
Panel Efficiency(%)	19.3	19.5	20.0	20.2	20.4

STC :Irradiance 1000w/m²,Cell Temperature 25°C *Mearsure tolerance:±3%

Electrical Data (NMOT)

MaximumPower-P _{MAX} (Wp)*	372	376	387	391	394
Open Circuit Voltage-V _{oc} (V)	45.78	45.92	46.35	46.49	46.63
Short Circuit Current-I _{sc} (A)	10.77	10.83	11.00	11.06	11.11
Maximum Power Voltage-V _{MPP} (V)	38.34	38.48	38.91	39.05	39.19
Maximum Power Current-I _{MPP} (A)	9.70	9.77	9.95	10.01	10.05

NMOT:Irradiance at 800W/m²,Ambient Temperature 20°C,Wind Speed 1m/s

Mechanical Data

Panel Dimension	2282mm x 1137mm
Thickness	3.4±0.2mm
Weight	10.5±0.5kg
Cell Size	Mono crystalline182*91mm
Cell Number	144 (6*24)
Junction Box Diodes	3diodes
Junction Box Protection Class	IP68
Connector Type	MC4 compatible
Cable	4.0mm2(IEC),250~300mm(+)/250~300mm(-)or Customized Length

Temperature Ratings

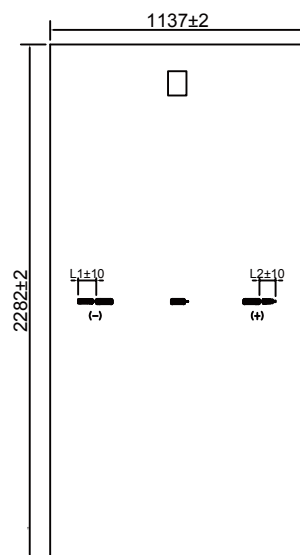
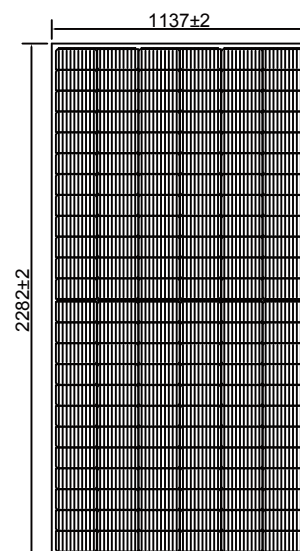
NMOT	45 ± 2 °C
Temperature Coefficient of P _{MAX}	-0.350%/°C
Temperature Coefficient of V _{oc}	-0.260%/°C
Temperature Coefficient of I _{sc}	+0.047 %/°C

* Do not connect Fuse in Combiner Box with two or more strings in parallel connection

Packaging Configuration

Modules per box	68 pieces
Modules per 40'container	1224 pieces

Dimensions of PV Module(mm)



Maximum Ratings

Operational Temperature	-40~+85 °C
Front/Rear Side Load	2400/2400pa
Max Series Fuse Rating	25A
Max System Voltage	1500V (DC)

Warranty

Product Workmanship Warranty	15 years
Output Power Warranty	25 years