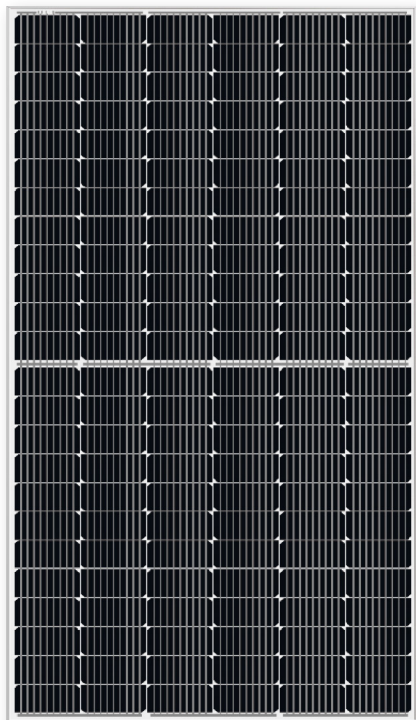


0~+5W Positive power tolerance | **21,18%** Maximum efficiency


JNL SOLAR, A HIGH-QUALITY MODULE THROUGH ITS HIGH PERFORMANCE CONSTRUCTION

Extensive experience in technology, constant innovation and sustainable optimisation form the basis for the performance of our high-quality modules. JNL Solar carries out all stages of construction at its production site, enabling us to guarantee our customers the highest quality in every step, from assembly to finishing.

Our modules are extremely versatile in their use. They offer suitable solutions for any installation and sustainable performance around the world.



An elegant and refined design that seamlessly integrates into any environment - a trusted photo-voltaic module recognized in the industry.



Enhanced efficiency and simplified maintenance thanks to highly transparent self-cleaning glass.



Durable safety and guaranteed top performance. 25-year performance warranty and 15-year product warranty.



Exceptional cell process performance, even under low irradiance.



High conversion efficiency due to top-quality wafers and advanced cell technology.



PID resistance and absence of snail trails thanks to carefully selected encapsulating materials and strict production process control.



Ideal for large-scale installations. A high-power footprint that reduces installation time and BOS costs.



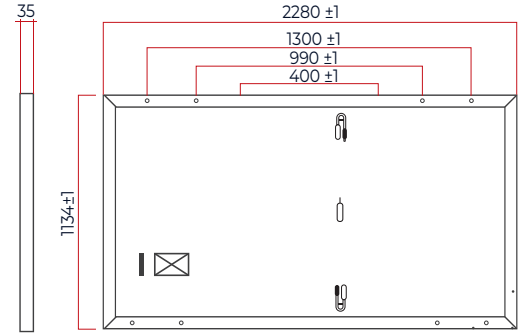
Our panels are designed to withstand environmental challenges: capable of bearing a wind load of 2400 Pa and a snow load of 5400 Pa.



Unmatched reliability due to stringent quality control. Over 30 in-house tests (UV, HF, etc.) that far exceed certification requirements.

MECANICAL DATA

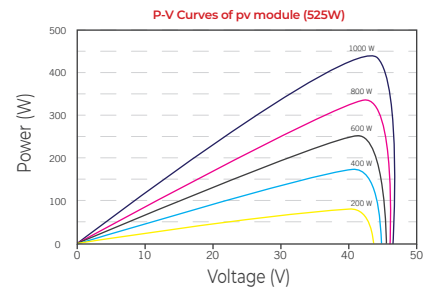
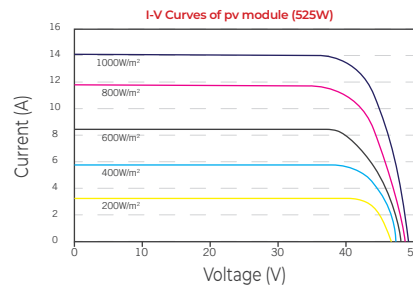
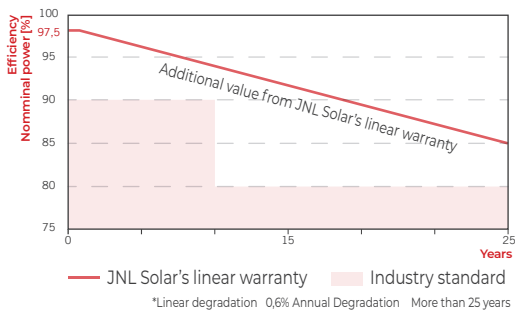
Dimensions	2279 mm x 1134mm x 35mm (with frame)
Weight	29 kg
Cells	Mono Crystalline Silicon, 91mm x 182mm - 10BB
Glass	3.2mm
Frame	Anodized Aluminium Alloy
Junction box	IP68
Cables	4mm ² , 1300mm
Wind/Snow Loads	≤ 5400Pa



ELECTRICAL DATA

TYPICAL TYPE		520	525	530	535	540	545	550
Max Power	P _{max}	520	525	530	535	540	545	550
Open Circuit Voltage	V _{oc}	48,94	49,11	49,26	49,42	49,58	49,74	49,9
Short Circuit Current	I _{sc}	13,53	13,61	13,69	13,76	13,84	13,92	14,00
Max Power Voltage	V _{mp}	41,02	41,21	41,39	41,54	41,69	41,83	41,96
Max Power Current	I _{mp}	12,68	12,74	12,81	12,88	12,96	13,03	13,11
Module Efficiency	%	20,12%	20,31%	20,51%	20,70%	20,89%	21,09%	21,28%
Power Tolerance		±3%						
Max System Voltage		DC 1500V (TUV) / 1000V (UL)						
Maximum Series Fuse Rating		25A						

STC : Irradiance 1000W/m², 25°C, AM 1.5



TEMPERATURE RATINGS

Temperature Coefficient of Isc	0.048%/°C	Operational Temperature	-40±85°C
Temperature Coefficient of Voc	-0.27%/°C	NOCT (Nominal Operating Cell Temperature)	44±2°C
Temperature Coefficient of Pmax	-0.35%/°C		

PACKAGING CONFIGURATION

Container	40 HQ
Quantity / pallet	31 pieces
Pallets / container	20 pieces
Quantity / container	620 pieces

AUTHORIZED DEALER



CERTIFICATIONS



ISO9001:2015 Quality management systems - ISO14001: 2015 Quality management systems
OHSAS 18001: 2018 Occupational health and safety management systems
IEC61215, IEC61730, UL 1703 certified product

CAUTION: Read the instructions for safety installations before using the product JNLSolar (All rights reserved) © 2023. Specifications included in this data sheet are subject to change without notice