

¡NUEVO MODULO!

JASolar – JAM54S31LR

La mejor tecnología del mercado

En la apuesta continua por añadir valor al cliente, en EDP Solar ofrecemos a nuestros clientes **los mejores paneles del mercado**, con tecnología avanzada Deep Blue 3.0 PRO que permite **obtener el mejor rendimiento**.

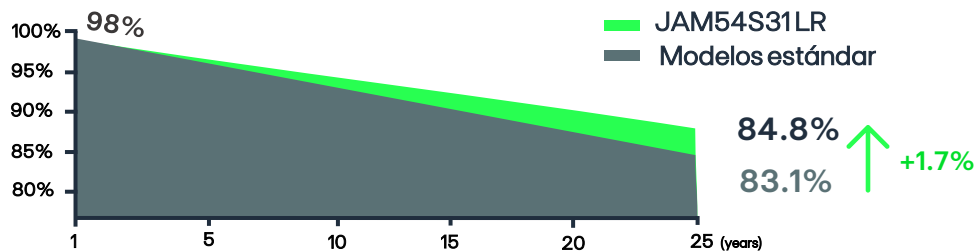
Adquirimos nuevos paneles solares en EDP, la última gama de JASolar, módulos ALL BLACK.



Garantía de producto

Los nuevos paneles premium cuentan con **15 años de garantía de producto y 25 años de garantía de producción**.

Los paneles cuentan con una degradación menor que el resto, en 25 años aseguran un **84,8%** de producción, sólo con **una degradación anual de 0,55%** en los 25 años.



JASOLAR

DEEP BLUE 3.0 Pro

LR Series



Tecnología más avanzada



Mayor potencia de salida



LCOE más bajo



Mejor tolerancia de carga mecánica



Menor pérdida resistiva

Paneles más resistentes al clima

Los paneles Premium están **compuestos de materiales de alta calidad** que les permite tener gran resistencia a las microfisuras.

Su estructura soporta grandes cargas de presión además de condiciones climáticas adversas incluso de nieve o granizo.



800 W/m²



1 m/s

420 Wp

108 Células

20 Kg

15 Años de garantía

Especificaciones

Cell	Mono
Weight	20kg
Dimensions	1762±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	108(6x18)
Junction Box	IP68, 3 diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1200mm(+)/1200mm(-)
Front Glass	2.8mm
Packaging Configuration	36pcs/Pallet, 936pcs/40ft Container

Condiciones eléctricas

ELECTRICAL PARAMETERS AT STC

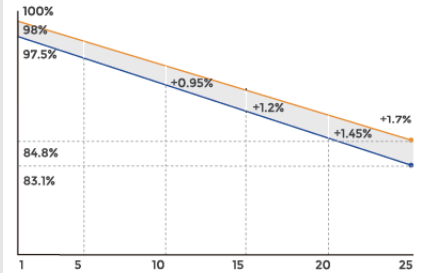
TYPE	JAM54S31 -415/LR	JAM54S31 -420/LR	JAM54S31 -425/LR	JAM54S31 -430/LR	JAM54S31 -435/LR	JAM54S31 -440/LR
Rated Maximum Power(Pmax) [W]	415	420	425	430	435	440
Open Circuit Voltage(Voc) [V]	37.55	37.73	37.91	38.09	38.27	38.45
Maximum Power Voltage(Vmp) [V]	30.92	31.11	31.30	31.49	31.68	31.86
Short Circuit Current(Isc) [A]	14.17	14.25	14.33	14.42	14.50	14.58
Maximum Power Current(Imp) [A]	13.42	13.50	13.58	13.65	13.73	13.81
Module Efficiency [%]	20.8	21.0	21.3	21.5	21.8	22.0
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α_Isc)	+0.045% / °C					
Temperature Coefficient of Voc(β_Voc)	-0.275% / °C					
Temperature Coefficient of Pmax(γ_Pmp)	-0.350% / °C					
STC	Irradiance 1000W/m ² , cell temperature 25 °C, AM1.5G					

ELECTRICAL PARAMETERS AT NOCT

TYPE	JAM54S31 -415/LR	JAM54S31 -420/LR	JAM54S31 -425/LR	JAM54S31 -430/LR	JAM54S31 -435/LR	JAM54S31 -440/LR
Rated Max Power(Pmax) [W]	314	318	322	326	329	333
Open Circuit Voltage(Voc) [V]	35.53	35.70	35.87	36.04	36.21	36.38
Max Power Voltage(Vmp) [V]	29.26	29.44	29.62	29.80	29.98	30.15
Short Circuit Current(Isc) [A]	11.33	11.40	11.47	11.53	11.60	11.67
Max Power Current(Imp) [A]	10.74	10.80	10.86	10.92	10.99	11.05
NOCT	Irradiance 800W/m ² , ambient temperature 20 °C, wind speed 1m/s, AM1.5G					

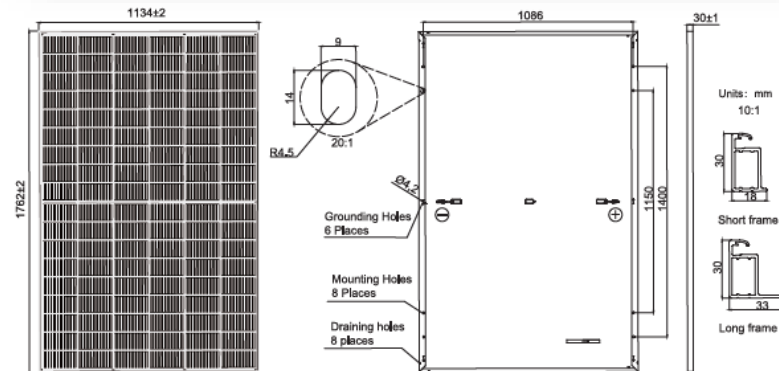
Superior Warranty

0.55% Annual Degradation Over 25 years



- New linear power warranty
- Standard module linear power warranty

*Subject to the terms and conditions contained in the Limited Warranty Statement. Also this 15-year limited product warranty is available only for product installed and operating on residential rooftops in certain regions.



Remark: customized frame color and cable length available upon request

440W MBB LR Series



- Higher output power
- Lower LCOE
- Better mechanical loading tolerance
- Less shading and lower resistive loss

- 15-year product warranty
- 25-year linear power output warranty

Half-cell Module
JAM54S31 LR
415-440

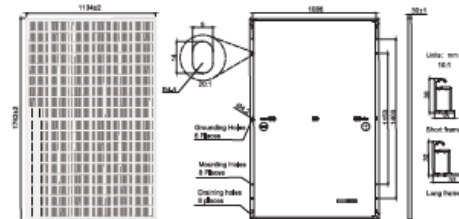
Comprehensive Certificates

- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules • Quality system for PV module manufacturing



440W

415-440 LR Series
JAM54S31



Remark: customized frame color and cable length available upon request

Cell	Mono
Weight	20kg
Dimensions	1762±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG (UL)
No. of cells	108(6x18)
Junction Box	IP68, 3 diodes
Connector	QC 410-35I/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1200mm(+)/1200mm(-)
Front Glass	2.8mm
Packaging Configuration	36pcs/Pallet, 936pcs/40ft Container

ELECTRICAL PARAMETERS AT STC

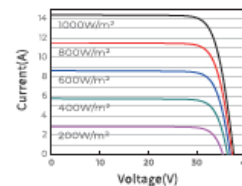
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ELECTRICAL PARAMETERS AT NOCT

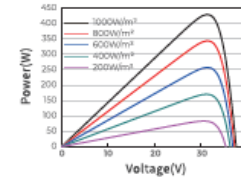
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CHARACTERISTICS

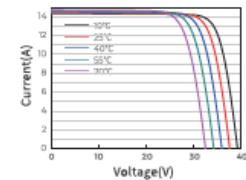
Current-Voltage Curve JAM54S31-430/LR



Power-Voltage Curve JAM54S31-430/LR

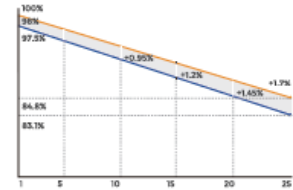


Current-Voltage Curve JAM54S31-430/LR



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OPERATING CONDITIONS

Maximum System Voltage	1000V/1500V D.C.
Operating Temperature	+40 °C --85 °C
Maximum Series Fuse Rating	25A
Maximum Static Load,Front*	5400Pa(112lb/ft ²)
Maximum Static Load,Back*	2400Pa(50lb/ft ²)
NOCT	45±2 °C
Safety Class	Class II
Fire Performance	UL Type I