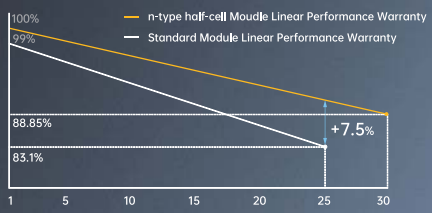
JA SOLAR

480W JAT54S41 LR

Black n-type Monofacial Module

Module effi up to 24%

- Superior Efficiency for Maximum Energy Yield
- Advanced Cell & Module Technology for Better Performance in Partial Shade
- Outstanding High-Temperature Performance & Long-Term Reliability



1% 1st-year Degradation 0.35% Annual Degradation Over 30 years

25 25-year product warranty

30 30-year linear power output warranty

Comprehensive Certificates

IEC 61215, IEC 61730

ISO 9001: 2015 Quality management systems

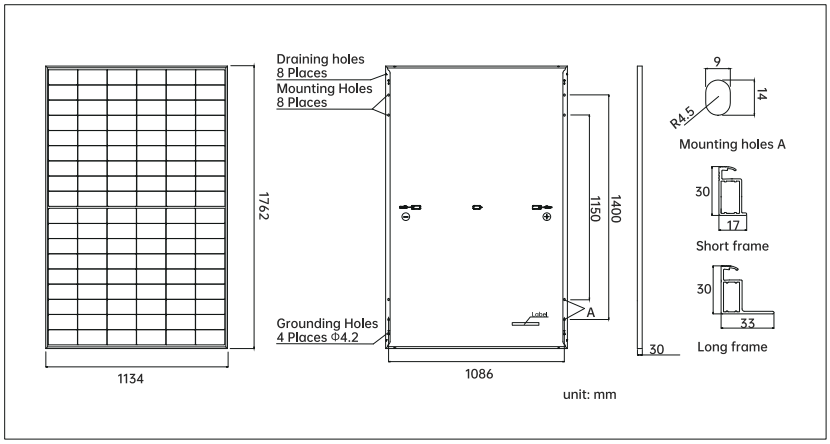
ISO 14001: 2015 Environmental management systems

ISO 45001: 2018 Occupational health and safety management systems

IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



JAT54S41 LR Black n-type Monofacial Module



MECHANICAL PARAMETERS

Cell	Mono
Weight	19.3kg
Dimensions	1762mm×1134mm×30mm
Cable Cross Section Size	4mm²(IEC), 12 AWG(UL)
No. of cells	108(6×18)
Junction Box	IP68, 3diodes
Connector	Stäubli PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy QC Solar QC4.10-351/ QC4.10-35
Cable Length (Including Connector)	Portrait: 400mm(+) /200mm(-) Landscape: 1200mm(+)/1200mm(-)
Glass	2.8mm
Packaging Configuration	36pcs/Pallet, 936pcs/40HQ Container
Country of Manufacturer	China/Vietnam

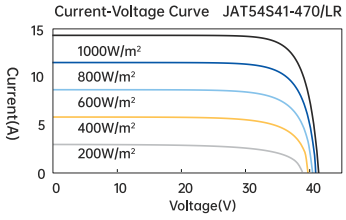
Remark: customized frame color and cable length available upon request

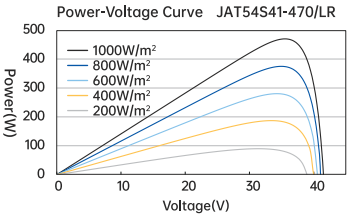
ELECTRICAL PARAMETERS AT STC

TYPE	JAT54S41 -455/LR	JAT54S41 -460/LR	JAT54S41 -465/LR	JAT54S41 -470/LR	JAT54S41 -475/LR	JAT54S41 -480/LR
Rated Maximum Power(Pmax) [W]	455	460	465	470	475	480
Open Circuit Voltage (Voc) [V]	40.75	40.82	40.89	40.96	41.03	41.10
Maximum Power Voltage(Vmp) [V]	34.32	34.46	34.60	34.74	34.87	35.00
Short Circuit Current(Isc) [A]	14.66	14.72	14.78	14.84	14.90	14.96
Maximum Power Current(Imp) [A]	13.27	13.36	13.45	13.54	13.63	13.72
Module Efficiency [%]	22.8	23.0	23.3	23.5	23.8	24.0
Power Selection	0~+3%					
Temperature Coefficient of Isc(α_Isc)	+0.050%/°C					
Temperature Coefficient of Voc (β_Voc)	-0.220%/°C					
Temperature Coefficient of Pmax(γ_Pmp)	-0.260%/°C					
STC	Irradiance 1000W/m², cell temperature 25°C, AM1.5G					

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.
They only serve for comparison among different module types.
Measurement torlerance at STC:Pmax±3%, Voc±3%, Isc±5%.

CHARACTERISTICS





ELECTRICAL PARAMETERS AT NOCT

TYPE	JAT54S41 -455/LR	JAT54S41 -460/LR	JAT54S41 -465/LR	JAT54S41 -470/LR	JAT54S41 -475/LR	JAT54S41 -480/LR
Rated Max Power(Pmax) [W]	344	347	351	354	358	362
Open Circuit Voltage(Voc) [V]	38.48	38.54	38.61	38.68	38.74	38.81
Max Power Voltage(Vmp) [V]	32.41	32.54	32.67	32.81	32.92	33.05
Short Circuit Current(Isc) [A]	11.85	11.90	11.95	12.00	12.04	12.10
Max Power Current(Imp) [A]	10.61	10.67	10.74	10.80	10.88	10.94
NOCT	Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G					

OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+70°C
Maximum Series Fuse Rating	25A
Maximum Static Load, Front	5400Pa(112 lb/ft²)
Maximum Static Load, Back	2400Pa(50 lb/ft²)
NOCT	45±2°C
Safety Class	Class II
Fire Performance	Class C

*PV module 98th percentile operating temperature : 70°C

JA SOLAR

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Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.

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