

485W JAT54S41 LR

Black n-type Monofacial Module

Module effi
up to **24.3%**



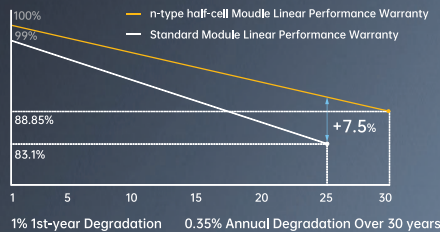
Superior Efficiency for
Maximum Energy Yield



Advanced Cell & Module Technology for
Better Performance in Partial Shade



Outstanding High-Temperature
Performance & Long-Term Reliability



25-year product
warranty



30-year linear power
output warranty

Comprehensive Certificates

IEC 61215, IEC 61730

ISO 9001: 2015 Quality management systems

ISO 14001: 2015 Environmental management systems

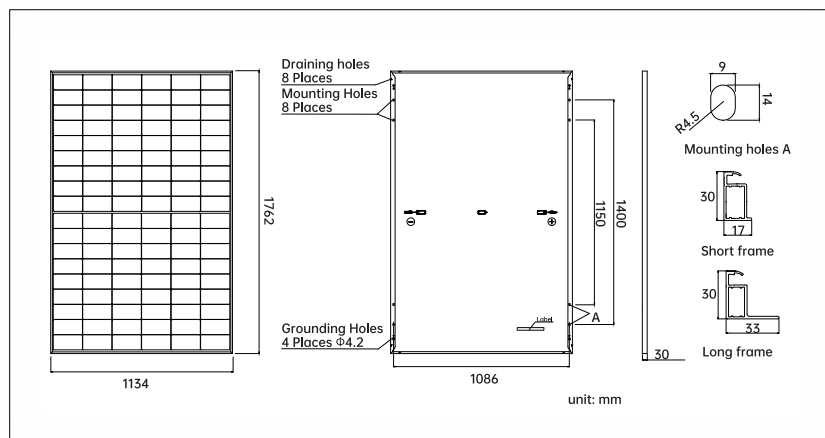
ISO 45001: 2018 Occupational health and safety
management systems

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	4mm ² (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

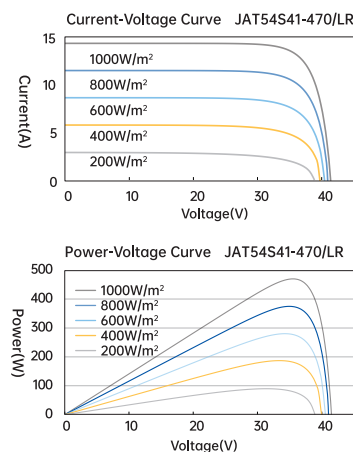
Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAT54S41 -460/LR	JAT54S41 -465/LR	JAT54S41 -470/LR	JAT54S41 -475/LR	JAT54S41 -480/LR	JAT54S41 -485/LR
Rated Maximum Power(P _{max}) [W]	460	465	470	475	480	485
Open Circuit Voltage (V _{oc}) [V]	41.06	41.12	41.18	41.24	41.30	41.36
Maximum Power Voltage(V _{mp}) [V]	34.62	34.68	34.74	34.80	34.86	34.92
Short Circuit Current(I _{sc}) [A]	14.25	14.29	14.32	14.35	14.38	14.41
Maximum Power Current(I _{mp}) [A]	13.29	13.41	13.54	13.66	13.78	13.90
Module Efficiency [%]	23.0	23.3	23.5	23.8	24.0	24.3
Power Selection	0~+3%					
Temperature Coefficient of I _{sc} (α_{Isc})	+0.050%/°C					
Temperature Coefficient of V _{oc} (β_{Voc})	-0.220%/°C					
Temperature Coefficient of P _{max} (γ_{Pmp})	-0.260%/°C					
STC	Irradiance 1000W/m ² , 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 tolerance at STC: P_{max}±3%, V_{oc}±3%, I_{sc}±5%.

CHARACTERISTICS



ELECTRICAL PARAMETERS AT NOCT

TYPE	JAT54S41 -460/LR	JAT54S41 -465/LR	JAT54S41 -470/LR	JAT54S41 -475/LR	JAT54S41 -480/LR	JAT54S41 -485/LR
Rated Max Power(P _{max}) [W]	346	350	354	358	361	365
Open Circuit Voltage(V _{oc}) [V]	38.77	38.83	38.89	38.94	39.00	39.06
Max Power Voltage(V _{mp}) [V]	32.69	32.75	32.81	32.86	32.92	32.98
Short Circuit Current(I _{sc}) [A]	11.52	11.55	11.58	11.60	11.63	11.66
Max Power Current(I _{mp}) [A]	10.61	10.71	10.80	10.90	10.99	11.09
NOCT	Irradiance 800W/m ² , 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/ft ²)
Maximum Static Load, Back	2400Pa(50 lb/ft ²)
NOCT	45±2°C
Safety Class	Class II
Fire Performance	Class C

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