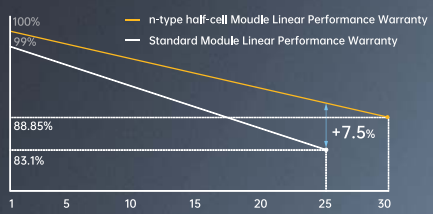
JA SOLAR

540W JAT60S40 LR

n-type Monofacial Module

Module effi up to 24.4%

- 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

15 15-year product warranty

30 30-year linear power output warranty

Comprehensive Certificates

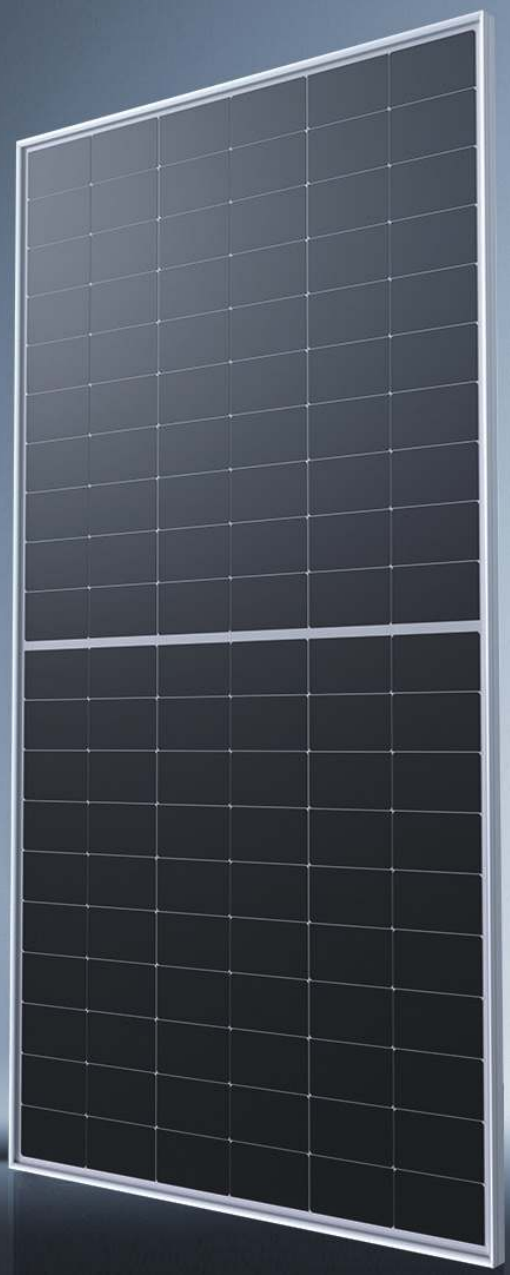
IEC 61215, IEC 61730

ISO 9001: 2015 Quality management systems

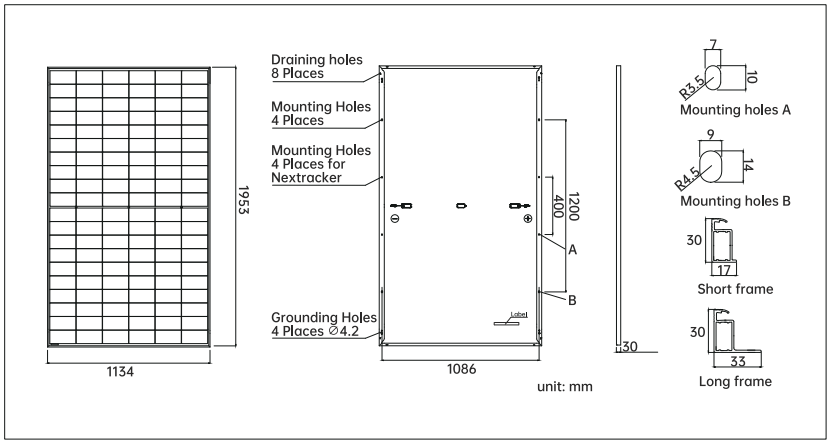
ISO 14001: 2015 Environmental management systems

ISO 45001: 2018 Occupational health and safety management systems

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



JAT60S40 LR n-type Monofacial Module



MECHANICAL PARAMETERS

Cell	Mono
Weight	23.5kg
Dimensions	1953mm×1134mm×30mm
Cable Cross Section Size	4mm²(IEC), 12 AWG(UL)
No. of cells	120(6×20)
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	3.2mm
Packaging Configuration	36pcs/Pallet, 864pcs/40HQ Container
Country of Manufacturer	China/Vietnam

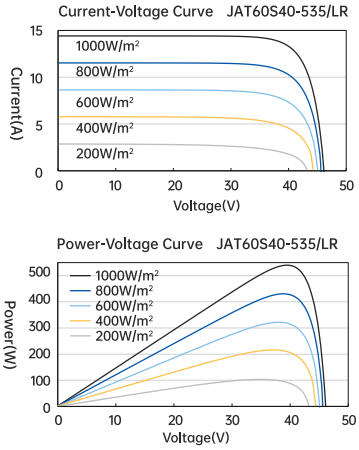
Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAT60S40 -510/LR	JAT60S40 -515/LR	JAT60S40 -520/LR	JAT60S40 -525/LR	JAT60S40 -530/LR	JAT60S40 -535/LR	JAT60S40 -540/LR
Rated Maximum Power(Pmax) [W]	510	515	520	525	530	535	540
Open Circuit Voltage (Voc) [V]	45.42	45.48	45.54	45.60	45.66	45.72	45.78
Maximum Power Voltage(Vmp) [V]	38.45	38.56	38.67	38.78	38.89	39.00	39.11
Short Circuit Current(Isc) [A]	14.66	14.72	14.78	14.84	14.90	14.96	15.02
Maximum Power Current(Imp) [A]	13.27	13.36	13.45	13.54	13.63	13.72	13.81
Module Efficiency [%]	23.0	23.3	24.5	23.7	23.9	24.2	24.4
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	JAT60S40 -510/LR	JAT60S40 -515/LR	JAT60S40 -520/LR	JAT60S40 -525/LR	JAT60S40 -530/LR	JAT60S40 -535/LR	JAT60S40 -540/LR
Rated Max Power(Pmax) [W]	384	388	392	396	399	403	407
Open Circuit Voltage(Voc) [V]	42.89	42.95	43.00	43.06	43.11	43.17	43.23
Max Power Voltage(Vmp) [V]	36.31	36.41	36.51	36.63	36.72	36.83	36.94
Short Circuit Current(Isc) [A]	11.87	11.91	11.96	12.00	12.04	12.10	12.15
Max Power Current(Imp) [A]	10.59	10.66	10.73	10.80	10.88	10.94	11.02
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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