

550W JAT60S40 LR

n-type Monofacial Module

Module effi
up to **24.8%**



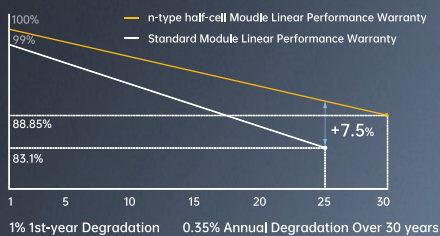
Superior Efficiency for
Maximum Energy Yield



Advanced Cell & Module Technology for
Better Performance in Partial Shade



Outstanding High-Temperature
Performance & Long-Term Reliability



15-year product
warranty



30-year linear power
output warranty

Comprehensive Certificates

IEC 61215, IEC 61730

ISO 9001: 2015 Quality management systems

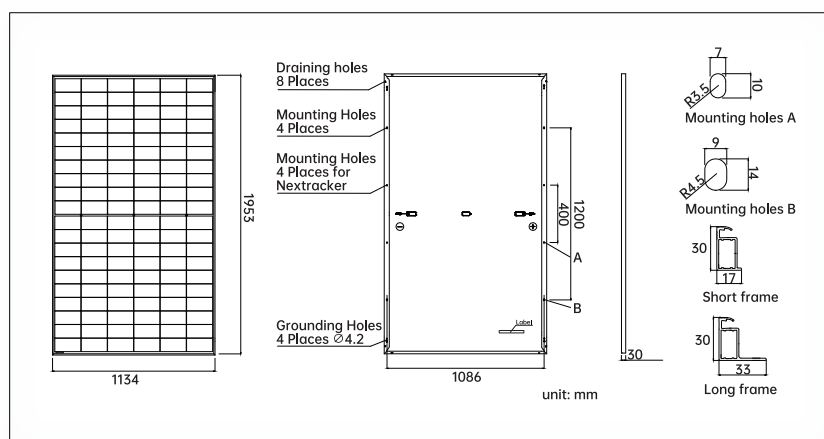
ISO 14001: 2015 Environmental management systems

ISO 45001: 2018 Occupational health and safety
management systems

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



JAT60S40 LR n-type Monofacial Module



MECHANICAL PARAMETERS

Cell	Mono
Weight	23.5kg
Dimensions	1953mm×1134mm×30mm
Cable Cross Section Size	4mm ² (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

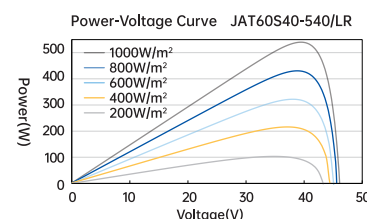
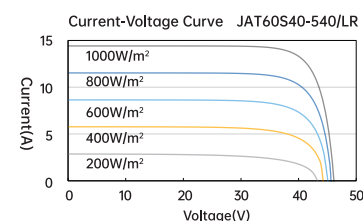
Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAT60S40 -525/LR	JAT60S40 -530/LR	JAT60S40 -535/LR	JAT60S40 -540/LR	JAT60S40 -545/LR	JAT60S40 -550/LR
Rated Maximum Power(P _{max}) [W]	525	530	535	540	545	550
Open Circuit Voltage (V _{oc}) [V]	45.82	45.86	45.91	45.96	46.01	46.06
Maximum Power Voltage(V _{mp}) [V]	38.64	38.69	38.75	38.81	38.86	38.92
Short Circuit Current(I _{sc}) [A]	14.36	14.38	14.40	14.42	14.44	14.46
Maximum Power Current(I _{mp}) [A]	13.59	13.70	13.81	13.92	14.03	14.14
Module Efficiency [%]	23.7	23.9	24.2	24.4	24.6	24.8
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	JAT60S40 -525/LR	JAT60S40 -530/LR	JAT60S40 -535/LR	JAT60S40 -540/LR	JAT60S40 -545/LR	JAT60S40 -550/LR
Rated Max Power(P _{max}) [W]	396	399	403	407	411	415
Open Circuit Voltage(V _{oc}) [V]	43.27	43.30	43.35	43.40	43.44	43.49
Max Power Voltage(V _{mp}) [V]	36.49	36.53	36.59	36.65	36.69	36.73
Short Circuit Current(I _{sc}) [A]	11.61	11.62	11.65	11.67	11.70	11.73
Max Power Current(I _{mp}) [A]	10.84	10.93	11.01	11.11	11.19	11.29
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