

495W JAT54S40 LR

n-type Monofacial Module

Module efficiency up to **24.8%**



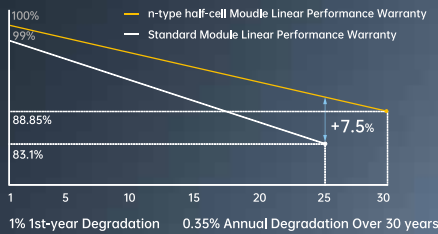
Superior Efficiency for Maximum Energy Yield



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

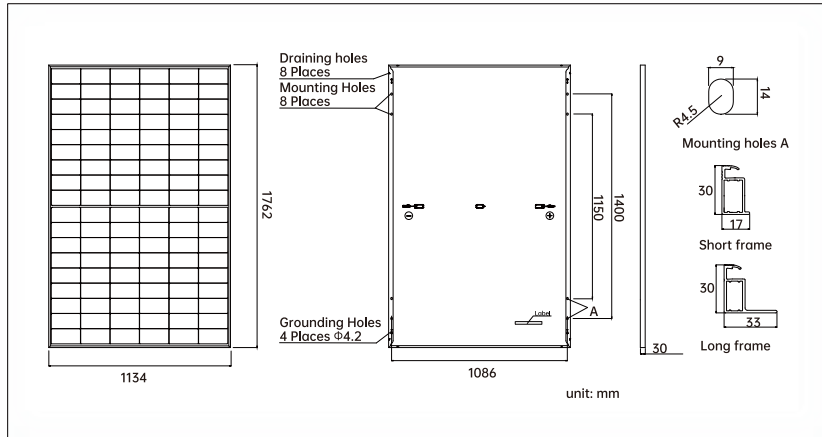
ISO 14001: 2015 Environmental management systems

ISO 45001: 2018 Occupational health and safety management systems

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



JAT54S40 LR 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

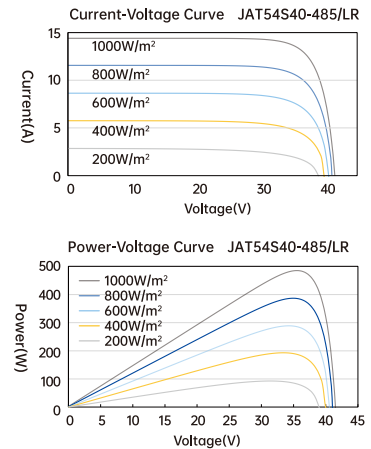
Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAT54S40 -470/LR	JAT54S40 -475/LR	JAT54S40 -480/LR	JAT54S40 -485/LR	JAT54S40 -490/LR	JAT54S40 -495/LR
Rated Maximum Power(Pmax) [W]	470	475	480	485	490	495
Open Circuit Voltage (Voc) [V]	41.18	41.24	41.30	41.36	41.42	41.48
Maximum Power Voltage(Vmp) [V]	34.74	34.80	34.86	34.92	34.98	35.00
Short Circuit Current(Isc) [A]	14.32	14.35	14.38	14.41	14.44	14.47
Maximum Power Current(Imp) [A]	13.54	13.66	13.78	13.90	14.03	14.15
Module Efficiency [%]	23.5	23.8	24.0	24.3	24.5	24.8
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/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: Pmax±3%, Voc±3%, Isc±5%.

CHARACTERISTICS



ELECTRICAL PARAMETERS AT NOCT

TYPE	JAT54S40 -470/LR	JAT54S40 -475/LR	JAT54S40 -480/LR	JAT54S40 -485/LR	JAT54S40 -490/LR	JAT54S40 -495/LR
Rated Max Power(Pmax) [W]	354	358	361	365	369	373
Open Circuit Voltage(Voc) [V]	38.89	38.94	39.00	39.06	39.12	39.17
Max Power Voltage(Vmp) [V]	32.81	32.86	32.92	32.98	33.04	33.09
Short Circuit Current(Isc) [A]	11.58	11.60	11.63	11.66	11.69	11.71
Max Power Current(Imp) [A]	10.80	10.90	10.99	11.09	11.18	11.28
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