



Higher output power



Lower LCOE



Less shading and lower resistive loss



Better mechanical loading tolerance

#### **Superior Warranty**

- 12-year product warranty
- 25-year linear power output warranty

1 5 10 15 20 25 year

■ New linear power warranty ■ Standard module linear power warranty

## **Comprehensive Certificates**

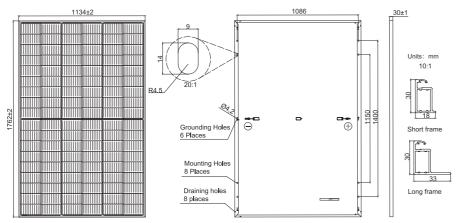
- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems







#### **MECHANICAL DIAGRAMS**



Remark: customized frame color and cable length available upon request

#### **SPECIFICATIONS**

	Cell	Mono
	Weight	20kg
	Dimensions	1762±2mm×1134±2mm×30±1mm
	Cable Cross Section Siz	re 4mm² (IEC) , 12 AWG(UL)
	No. of cells	108(6x18)
	Junction Box	IP68, 3 diodes
	Connector	Stäubli MC4-EVO2A/MC4-EVO2 QC Solar QC 4.10-351/QC 4.10-35
	Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); 800mm(+)/800mm(-)(Leapfrog) Landscape: 1200mm(+)/1200mm(-)
	Front Glass	2.8mm
	Country of Manufacturer	China/Vietnam

### **ELECTRICAL PARAMETERS AT STC**

ТҮРЕ	JAM54S30- 415/LR/1500V	JAM54S30- 420/LR/1500V	JAM54S30- 425/LR/1500V	JAM54S30- 430/LR/1500V	JAM54S30- 435/LR/1500V	JAM54S30- 440/LR/1500V
Rated Maximum Power(Pmax) [W]	415	420	425	430	435	440
Open Circuit Voltage(Voc) [V]	37.01	37.19	37.37	37.55	37.73	37.91
Maximum Power Voltage(Vmp) [V]	30.92	31.11	31.30	31.49	31.68	31.86
Short Circuit Current(Isc) [A]	14.17	14.25	14.33	14.42	14.50	14.58
Maximum Power Current(Imp) [A]	13.42	13.50	13.58	13.65	13.73	13.81
Module Efficiency [%]	20.8	21.0	21.3	21.5	21.8	22.0
Power Tolerance			0~+5W			
Temperature Coefficient of $Isc(\alpha\_Isc)$			+0.045%°C			
Temperature Coefficient of Voc(β_Voc)			-0.275%/°C			

-0.350%/°C

Irradiance 1000W/m², cell temperature 25°C, AM1.5G STC

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% and Isc ±4%.

#### **ELECTRICAL PARAMETERS AT NOCT**

Temperature Coefficient of Pmax(γ\_Pmp)

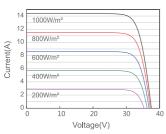
TYPE	415/LR/1500V	420/LR/1500V	425/LR/1500V	430/LR/1500V	435/LR/1500V	440/LR/1500V	
Rated Max Power(Pmax) [V	N] 314	318	322	326	329	333	
Open Circuit Voltage(Voc)	[V] 35.02	35.19	35.36	35.53	35.70	35.87	
Max Power Voltage(Vmp) [	V] 29.26	29.44	29.62	29.80	29.98	30.15	
Short Circuit Current(Isc) [A	λ] 11.33	11.40	11.47	11.53	11.60	11.67	
Max Power Current(Imp) [A	10.74	10.80	10.86	10.92	10.99	11.05	
NOCT	Irradia	ance 800W/m²	, ambient tem	perature 20°C	wind speed 1	m/s, AM1.5G	

# **OPERATING CONDITIONS**

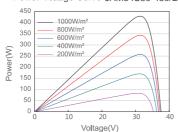
Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25A
Maximum Static Load,Front* Maximum Static Load,Back*	3600Pa, 1.5 1600Pa, 1.5
NOCT	45±2°C
Safety Class	Class Ⅱ
Fire Safety Class	Class C

# **CHARACTERISTICS**

Current-Voltage Curve JAM54S30-430/LR/1500V



#### Power-Voltage Curve JAM54S30-430/LR/1500V



#### Current-Voltage Curve JAM54S30-430/LR/1500V

