

SYSTEM & PRODUCT CERTIFICATES



- IEC 61215 / IEC 61730 / UL 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems

U LIS



PERFORMANCE WARRANTY

KEY FEATURES



12BB Half-cut Cell Technology

New circuit design, lower internal current, lower Rs loss Ga dopped wafer, attenuation $<\!2\%$ (1st year) / $\!\le\!0.45\%$ (Linear)



Industry Leading High Yield

Bifacial PERC cell technology, 5%-25% more yield depends on different conditions



Excellent Anti-PID Performance

2 times of industry standard Anti-PID test



Wider Application

No water-permeability and high wear-resistance, can be widely used in high-humid, windy and dusty area



IP68 Junction Box

High waterproof level

ELECTRICAL CHARACTERISTICS

Te ing Condi ion	STC	NMOT								
Ma im m Po e (Pma /W)	585	437	590	441	595	444	600	448	605	452
Ope a ing Vol age (Vmpp/V)	34.1	32.0	34.3	32.2	34.5	32.4	34.7	32.6	34.9	32.7
Ope a ing C en (Impp/A)	17.16	13.65	17.21	13.69	17.25	13.72	17.30	13.77	17.34	13.80
Open-Ci c i Vol age (Voc/V)	41.0	38.7	41.2	38.9	41.4	39.1	41.6	39.3	41.8	39.4
Sho -CiciC en (Ic/A)	18.25	14.72	18.30	14.75	18.34	14.78	18.39	14.82	18.43	14.85
Mod le Efficienc (%)	20.	70	20.	.80	21.	.00	21	.20	21	.40

STC: I adiance 1000W/m , Spec a a AM1.5, Mod le Tempe a e 25 C. Po e o p ole ance: 0 +5W, Te nce ain fo Pma : 3% NMOT: I adiance 800W/m , Spec a a AM1.5, Ambien Tempe a e 20 C, Wind peed 1m/

REAR SIDE POWER GAIN(REFERENCE TO 595W FRONT)

Pma gain	5%	10%	15%	20%	25%
Pma /W	625	655	684	714	744
Vmpp/V	34.50	34.50	34.50	34.50	34.50
Impp/A	18.11	18.98	19.84	20.70	21.56
Voc/V	41.30	41.30	41.30	41.30	41.30
I c/A	19.23	20.14	21.06	21.97	22.89

MECHANICAL CHARACTERISTICS

Cell T pe	Monocrystalline Silicon (12Busbar)		
No. of Cell	120pcs in series (6*20)		
Mod le Dimen ion	2172*1303*35mm (85.51*51.30*1.38inches)		
Weigh	34.8kg (76.72lbs.)		
F on Gla	2.0mm AR Coating Semi-tempered Glass		
Back Gla	2.0mm Glazed Semi-tempered Glass		
F ame	Anodized Aluminium Alloy		
J nc ion Bo	IP68, 3 Bypass Diodes		
O p Cable	4mm² (IEC), 12AWG(UL) 300mm in Length or Customized Length		
Connec o	T01/LJQ-3-CSY/MC4/MC4-EV02		

APPLICATION CONDITIONS

Ma im nS em Vol age	1500V/DC			
Ope a ing Tempe a e	-40°C~+85°C			
Ma im n Se ie F e	35A			
Safe P o ec ion Cla	Class II			
Mechanical Load	Front side 5400Pa, Back side 2400Pa			
Refe . Bifaciali Fac o	70%±5%			

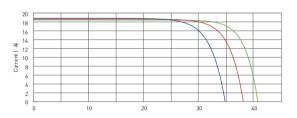
TEMPERATURE CHARACTERISTICS

Tempe a e Coefficien of Pma	-0.34%/°C
Tempe a e Coefficien of Voc	-0.25%/°C
Tempe a e Coefficien of I c	+0.046%/°C
Nominal Mod le Ope a ing Tempe a e(NMOT)	43±2°C

PACKING CONFIGURATION

Piece Pe Palle	31	31(USA)
Piece Pe Con aine (40 HQ)	527	527

I-V CURVE



TECHNICAL DRAWINGS

