

DEEP BLUE 3.0 Pro

Mono

565W MBB Half-cell Module JAM72S30 540-565/GR Series

Introduction

Assembled with 11BB PERC cells and gapless ribbon connection technology, the modules can offer higher output power with improved module efficiency, the reduction of cells gaps brings outstanding module appearance. The half-cell configurature makes less shading effect, lower risk of hot spot, as well as more reliable and stable power generation.



Higher output power



Lower LCOE



Less shading and lower resistive loss

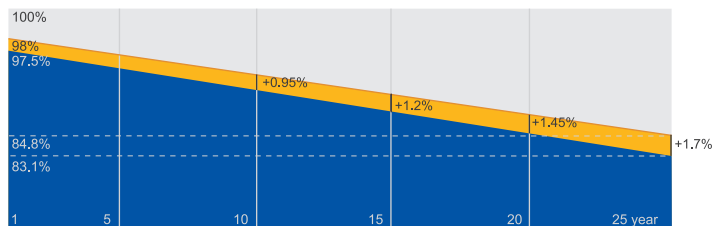


Better mechanical loading tolerance

Superior Warranty

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

0.55% Annual Degradation
Over 25 years



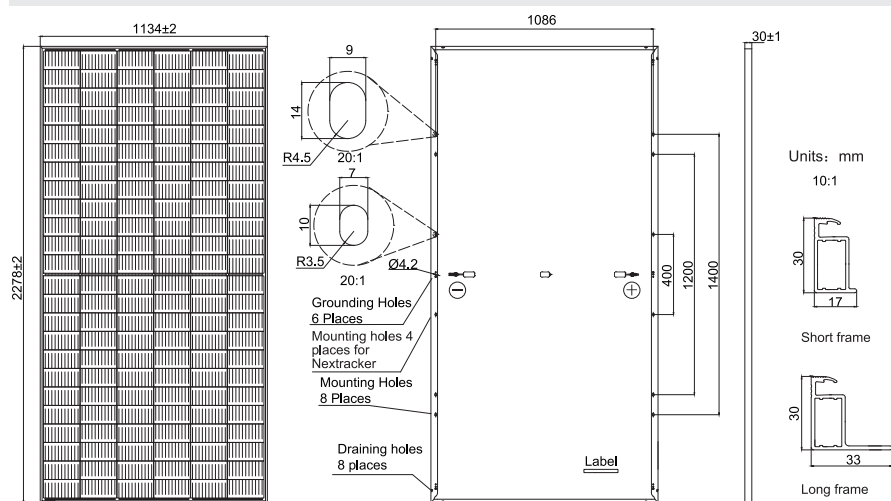
■ New linear power warranty ■ Standard module linear power warranty

Comprehensive Certificates

- IEC 61215, IEC 61730, UL 61215, UL 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



MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	27.8kg
Dimensions	2278±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm ² (IEC) , 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3 diodes
Connector	MC4-EVO2/ QC 4.10-351
Cable Length (Including Connector)	Portrait: 200mm(+)/300mm(-); Landscape: 1300mm(+)/1300mm(-)
Packaging Configuration	36pcs/Pallet 720pcs/40HQ Container

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72S30 -540/GR	JAM72S30 -545/GR	JAM72S30 -550/GR	JAM72S30 -555/GR	JAM72S30 -560/GR	JAM72S30 -565/GR
Rated Maximum Power(P _{max}) [W]	540	545	550	555	560	565
Open Circuit Voltage(V _{oc}) [V]	49.60	49.75	49.90	50.02	50.15	50.28
Maximum Power Voltage(V _{mp}) [V]	41.64	41.80	41.96	42.11	42.27	42.42
Short Circuit Current(I _{sc}) [A]	13.86	13.93	14.00	14.07	14.14	14.21
Maximum Power Current(I _{mp}) [A]	12.97	13.04	13.11	13.18	13.25	13.32
Module Efficiency [%]	20.9	21.1	21.3	21.5	21.7	21.9
Power Tolerance	0~+5W					
Temperature Coefficient of I _{sc} (α _{Isc})	+0.045%/°C					
Temperature Coefficient of V _{oc} (β _{Voc})	-0.275%/°C					
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.350%/°C					
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G					

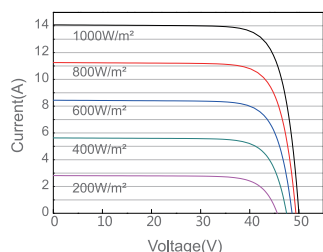
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL PARAMETERS AT NOCT

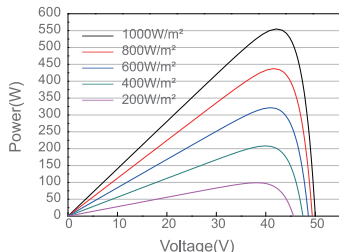
TYPE	JAM72S30 -540/GR	JAM72S30 -545/GR	JAM72S30 -550/GR	JAM72S30 -555/GR	JAM72S30 -560/GR	JAM72S30 -565/GR	OPERATING CONDITIONS	
Rated Max Power(Pmax) [W]	408	412	416	420	424	428	Maximum System Voltage	1000V/1500V DC
Open Circuit Voltage(Voc) [V]	46.43	46.55	46.68	46.85	46.99	47.15	Operating Temperature	-40 C~+85 C
Max Power Voltage(Vmp) [V]	38.99	39.20	39.43	39.66	39.85	40.04	Maximum Series Fuse Rating	25A
Short Circuit Current(Isc) [A]	11.09	11.13	11.17	11.21	11.26	11.31	Maximum Static Load,Front* Maximum Static Load,Back*	5400Pa(112lb/ft²) 2400Pa(50lb/ft²)
Max Power Current(Imp) [A]	10.47	10.51	10.55	10.59	10.64	10.69	NOCT	45±2 C
NOCT	Irradiance 800W/m², ambient temperature 20°C,wind speed 1m/s, AM1.5G						Safety Class	Class II
							Fire Performance	UL Type 1

CHARACTERISTICS

Current-Voltage Curve JAM72S30-555/GR



Power-Voltage Curve JAM72S30-555/GR



Current-Voltage Curve JAM72S30-555/GR

