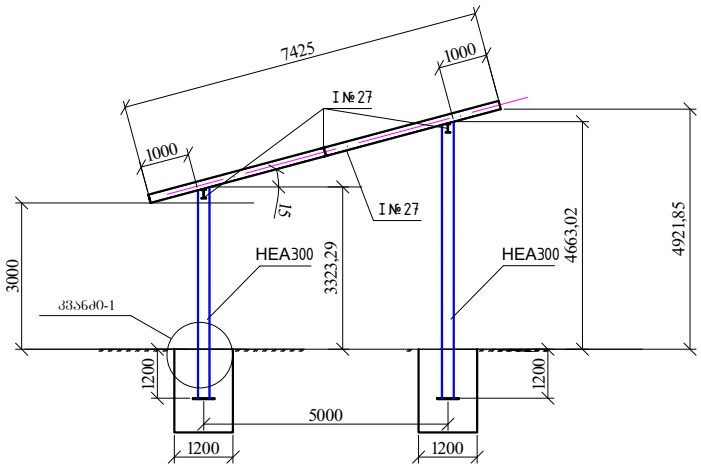
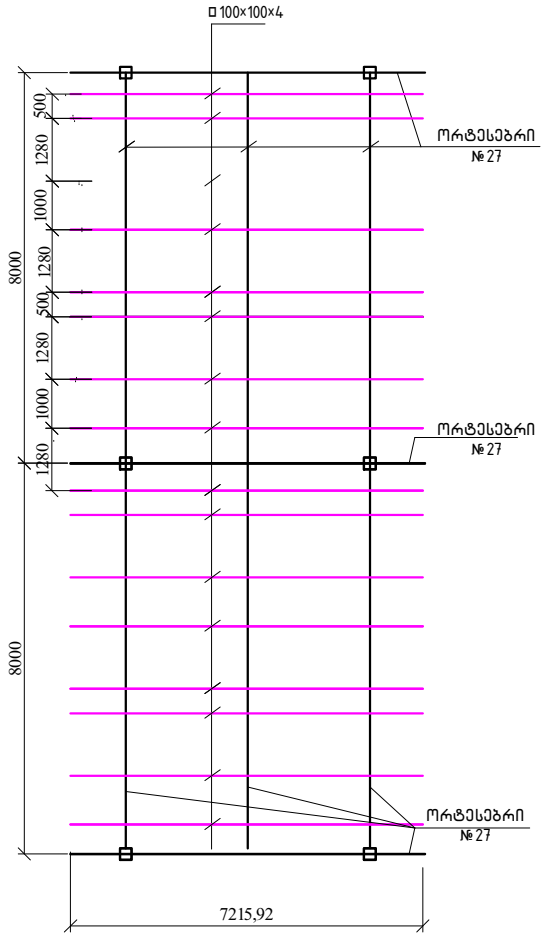
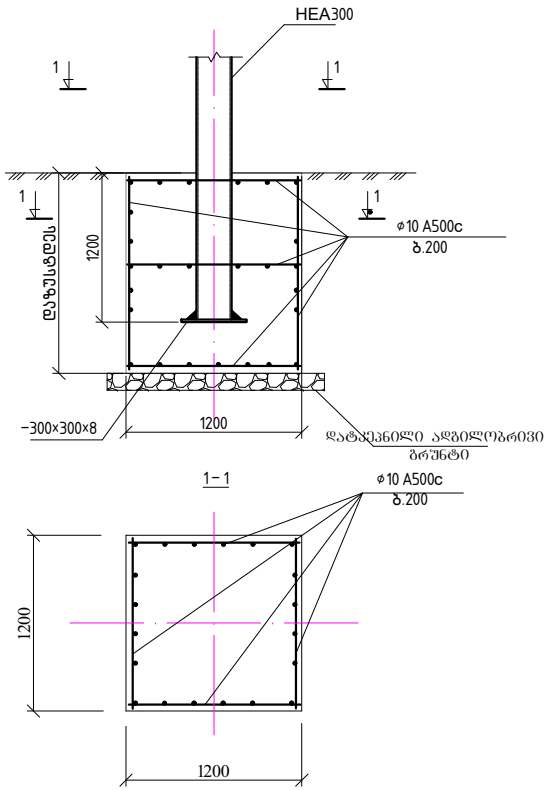
ჭ რ ი ლ ი





კვანძი-1



შენიშვნა

1. შედუღების შეერთებისათვის ვიხელმძღვანელოთ СНИП II-23-81* 12.6 12.7 12.8 12.9 და 12.10 პუნქტებით.
   შედუღების ნაკერის სიმაღლედ მიღებულ იქნეს არა უმეტეს K=1.2t სადაც t- არის შესადუღებელ ელემენტებს შორის უმცირესი სისქე. შესადუღებელ ელემენტებს შორის კიდეების დამუშავება და შედუღება მოხდეს ГОСТ 5264080-ის მიხედვით.
   შედუღება მოხდეს მაღალკვალიფიცირებული შემდუღებელ მემონტაჟის მიერ Э42-ა ტიპის ელექტროდით СНИП II-23-81* 55* ცხრ. მიხედვით ან YOHI 1345
2. დამზადებული ფერმის ელემენტები და კვანძები გაიწმინდოს ჟანგისაგან სილაჭავლური აპარატით ან 15% ფოსფორმჟავის ხსნარით
3. კონსტრუქცია უნდა დაიგრუნტოს ერთი ფენა და შეიღებოს ორი ფენა ემალით.
4. დაზუსტდეს გეოლოგია

დამკვეთი:					სტადია	მ.პ.
				მზის პანელების მოწყობის სქემა	შურცელი	კ-1
					შურცლები	-



Introduction

Power by the lastest SMBB n-type solar cell, half-cell configuration, these modules have higher output power, lower LID, better weak illumination response, and better temperature coefficient.

Higher power generation
better LCOE

Better weak illumination response

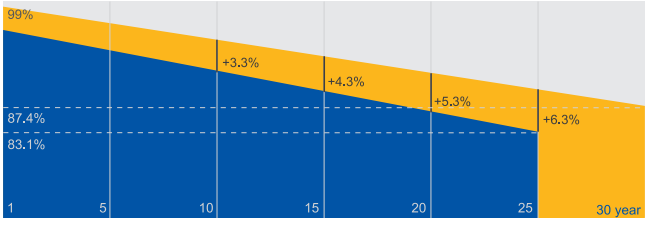
Better Temperature Coefficient

Superior Warranty

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

1% 1st-year Degradation

0.4% Annual Degradation
Over 30 years



n-type Bifacial Double Glass Module Linear Performance Warranty

Standard Module Linear Performance 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

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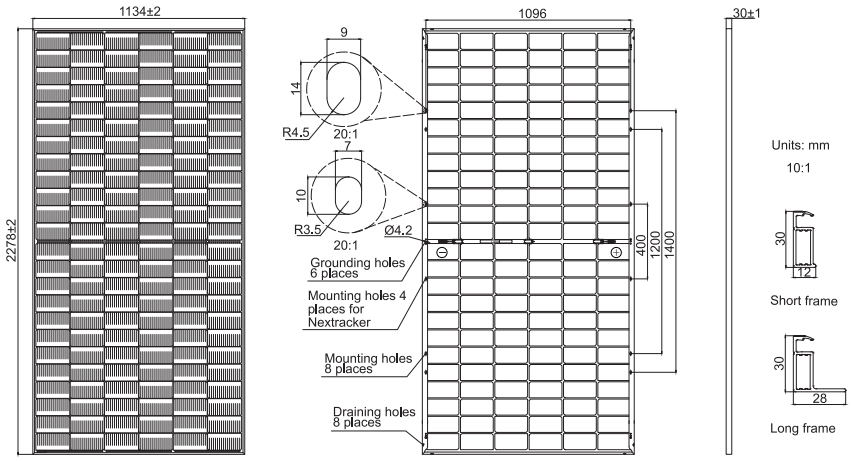
Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.

Shanghai JA Solar Technology Co., Ltd.

JA SOLAR

JAM72D40 555-580/MB/1500V Series

MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono-16BB
Weight	31.8kg
Dimensions	2278±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm² (IEC), 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3 diodes
Connector	Stäubli MC4-EVO2A QC Solar QC 4.10-351
Cable Length (Including Connector)	Portrait: 200mm(+)/300mm(-); 800mm(+)/800mm(-)(Leapfrog) Landscape: 1300mm(+)/1300mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Country of Manufacturer	China/Vietnam

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D40 -555/MB/1500V	JAM72D40 -560/MB/1500V	JAM72D40 -565/MB/1500V	JAM72D40 -570/MB/1500V	JAM72D40 -575/MB/1500V	JAM72D40 -580/MB/1500V
Rated Maximum Power(Pmax) [W]	555	560	565	570	575	580
Open Circuit Voltage(Voc) [V]	50.55	50.70	50.85	51.00	51.15	51.30
Maximum Power Voltage(Vmp) [V]	42.24	42.40	42.55	42.70	42.85	43.03
Short Circuit Current(Isc) [A]	14.02	14.09	14.16	14.23	14.30	14.36
Maximum Power Current(Imp) [A]	13.14	13.21	13.28	13.35	13.42	13.48
Module Efficiency [%]	21.5	21.7	21.9	22.1	22.3	22.5
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α_Isc)	+0.046%/°C					
Temperature Coefficient of Voc(β_Voc)	-0.260%/°C					
Temperature Coefficient of Pmax(γ_Pmp)	-0.300%/°C					
STC	Irradiance 1000W/m², 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% and Isc ±4%.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D40-555/MB/1500V	JAM72D40-560/MB/1500V	JAM72D40-565/MB/1500V	JAM72D40-570/MB/1500V	JAM72D40-575/MB/1500V	JAM72D40-580/MB/1500V
Rated Max Power(Pmax) [W]	599	605	610	616	621	626
Open Circuit Voltage(Voc) [V]	50.58	50.73	50.88	51.03	51.16	51.30
Max Power Voltage(Vmp) [V]	42.24	42.39	42.55	42.70	42.86	43.02
Short Circuit Current(Isc) [A]	15.14	15.22	15.29	15.37	15.44	15.51
Max Power Current(Imp) [A]	14.19	14.27	14.34	14.42	14.49	14.56
Irradiation Ratio (rear/front)	10%					

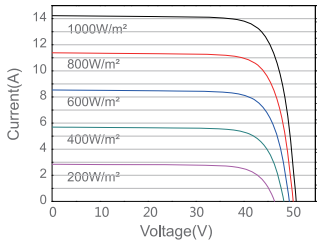
*For Nextracker installations, maximum static load please take compatibility approve letter between JA Solar and Nextracker for reference.
**Bifaciality=Pmax,rear/Rated Pmax,front

OPERATING CONDITIONS

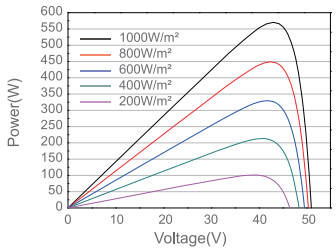
Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Maximum Static Load,Front* Maximum Static Load,Back*	3600Pa, 1.5 1600Pa, 1.5
NOCT	45±2°C
Bifaciality**	80%±10%
Fire Safety Class	Class C

CHARACTERISTICS

Current-Voltage Curve JAM72D40-570/MB/1500V



Power-Voltage Curve JAM72D40-570/MB/1500V



Current-Voltage Curve JAM72D40-570/MB/1500V

