



**SUN
GREEN**
HOLDINGS
SWITCH ON THE SOLAR.

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Colombo 06.

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Com Reg Number PV 00263952

INSTALLATION OF SOLAR SYSTEM.



SOLAR PV OFF-GRID SYSTEM.

**5 KW
200 ah**



DESIGN, SUPPLY AND INSTALLATION OF OFF GRID SOLAR SYSTEM

Price:

Design, supply and installation of Off Grid solar PV system including necessary accessories and connection to AC distribution

Inverter Capacity KW	Battery Capacity	SALES PRICE	DISCOUNT	DISCOUNTED PRICE
5	48V 200 ah Power wall	2,900,000	50,000	2,850,000

Total Price Including Transport, Installation & two years maintenance.

General Maintenance (Including cleaning of solar panels and clearing the dust deposited on the Off Grid solar inverter)

Physical Inspection of the system

Functional testing (Including any software and hardware errors, web connect function)

Required Square Feet For Your Installing Solar System

Required Square Feet Per Panel		Panels		
Required Square Feet Per Panel		Panels		

INVERTERS

10 YEARS WARRANTY



Growatt

ABB

Power and productivity
for a better world™



HUAWEI

FIMER



SOLAR PV PANELS

25 YEARS WARRANTY



PREMIER
ENERGIES



JA SOLAR
晶澳太阳能



suntree

SURGE PROTECTORS

3 YEARS WARRANTY



SOLAR CABLES

10 YEARS WARRANTY

sierra
cables

SWISSTEK

ALUMINIUM
FOR THE PERFECT FINISH

ALLUMINIUM

10 YEARS WARRANTY



Terms of AC & DC Wire Path

1. 50 Meters Dc Red & Dc Black Cable.
2. 25 Meters Ac & Earh Cable
3. For the extra Meters Compnay Will Charge.

Terms of sale:

100% payment is required to confirm the business & the price

Warranty:.

GROWATT Inverter Manufactures Warranty: 02 Years comprehensive warranty and one time repair warranty for 10 years

Three Years of Comprehensive Warranty for the Complete System including AC / DC EARTH cables and serge protection devices.

10 YEARS comprehensive warranty for the ROSEN POWER WALL.

Surge Protection Devices: - **Suntree - Mersen**

Maintenance:

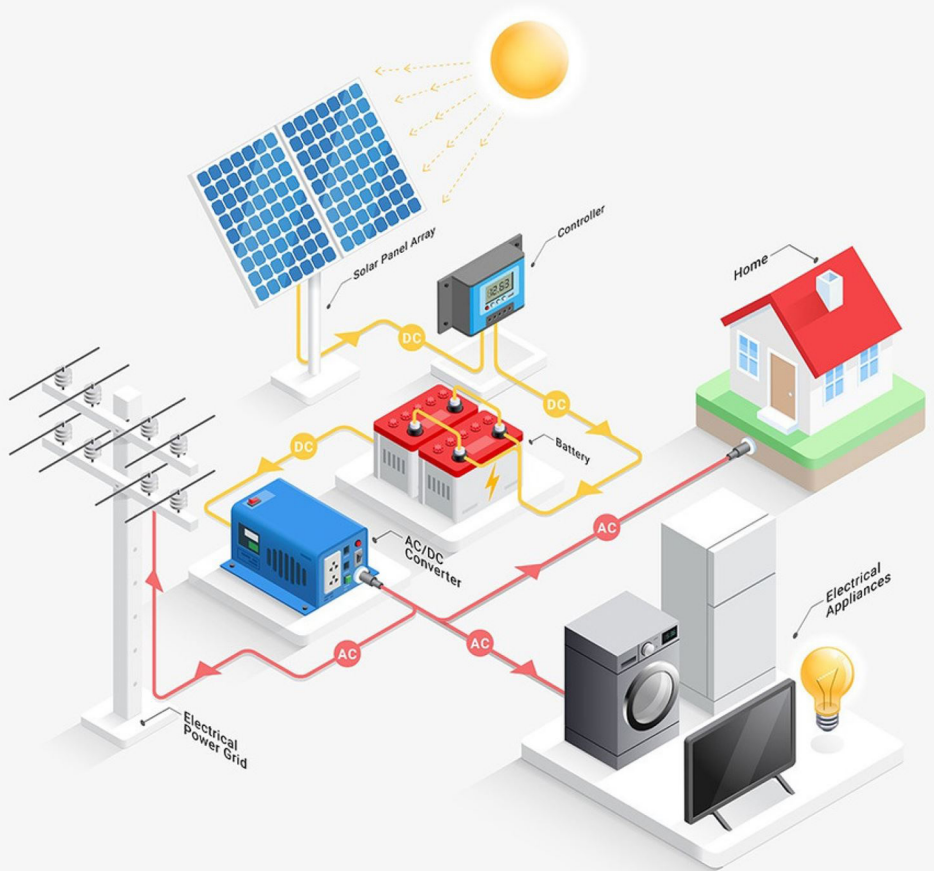
Two years' free maintenance period and training on preventive maintenance is provided.

Special Note :SUN GREEN HOLDINGS LANKA(PVT) LTD, The free Services, Warranties & Claims will be effected only after the final payment is received to the Company.

Note:-

- Above pricing is done for standard mounting of the solar panels.
- It's our valued customer's responsibility and obligation to maintain the internet facility of his residence under operation to view the SOLAR SYSTEM'S functionality through on-line monitoring system for **SUN GREEN HOLDINGS** Technical Team. This will be helpful to provide you a better & an efficient service.
- The Company will not be responsible for THE LOSS OF GENERATION due to EXTREAM WHETHER CONDITIONS
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HOW SOLAR WORKS?



Harvest the Sunshine

DEEP BLUE 3.0

Mono 5 5 0W MBB Half-cell Module
JAM72S30 525-550/MR/1500V Series

Introduction

Assembled with 11BB PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, better temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.



Higher output power



Lower LCOE



Less shading and lower resistive loss

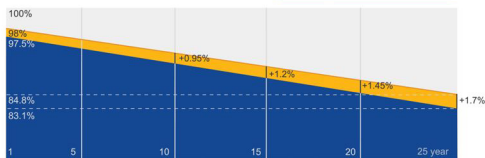


Better mechanical loading tolerance

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



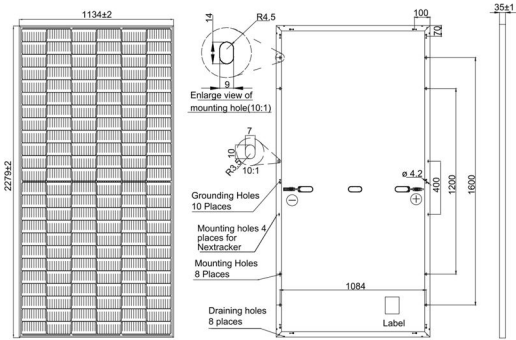
JA SOLAR

www.jasolar.com

Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.
Shanghai JA Solar Technology Co., Ltd.



MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	28.6kg±3%
Dimensions	2279±2mm×1134±2mm×35±1mm
Cable Cross Section Size	4mm ² (IEC) , 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3 diodes
Connector	Genuine MC4-EVO2 QC 4.10-35/45
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1300mm(+)/1300mm(-)
Country of Manufacturer	China/Vietnam

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72530-525/MR/1500V	JAM72530-530/MR/1500V	JAM72530-535/MR/1500V	JAM72530-540/MR/1500V	JAM72530-545/MR/1500V	JAM72530-550/MR/1500V
Rated Maximum Power(Pmax) [W]	525	530	535	540	545	550
Open Circuit Voltage(Voc) [V]	49.15	49.30	49.45	49.60	49.75	49.90
Maximum Power Voltage(Vmp) [V]	41.15	41.31	41.47	41.64	41.80	41.96
Short Circuit Current(Isc) [A]	13.65	13.72	13.79	13.86	13.93	14.00
Maximum Power Current(Imp) [A]	12.76	12.83	12.90	12.97	13.04	13.11
Module Efficiency [%]	20.3	20.5	20.7	20.9	21.1	21.3
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(β _{Isc})	+0.045%/°C					
Temperature Coefficient of Voc(β _{Voc})	-0.275%/°C					
Temperature Coefficient of Pmax(γ _{Pmp})	-0.350%/°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 PARAMETERS AT NOCT

TYPE	JAM72530-525 /MR/1500V	JAM72530-530JAM72530-535JAM72530-540JAM72530-545JAM72530-550 /MR/1500V/MR/1500V/MR/1500V/MR/1500V/MR/1500V	405	408	412	416
Rated Max Power(Pmax) [W]	397	401	405	408	412	416
Open Circuit Voltage(Voc) [V]	46.05	46.18	46.31	46.43	46.55	46.68
Max Power Voltage(Vmp) [V]	38.36	38.57	38.78	38.99	39.20	39.43
Short Circuit Current(Isc) [A]	10.97	11.01	11.05	11.09	11.13	11.17
Max Power Current(Imp) [A]	10.35	10.39	10.43	10.47	10.51	10.55

OPERATING CONDITIONS

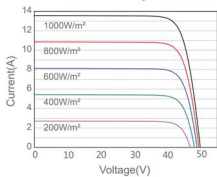
Maximum System Voltage	1500V DC (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse Rating	25A
Maximum Static Load Front* Maximum Static Load Back*	3600Pa, 1.5 1600Pa, 1.5
NOCT	45±2°C
Safety Class	Class II
Fire Performance	UL Type 1

NOCT Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

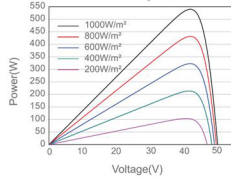
*For NextTracker installations, Maximum Static Load, Front is 2000Pa while Maximum Static Load, Back is 2000Pa.

CHARACTERISTICS

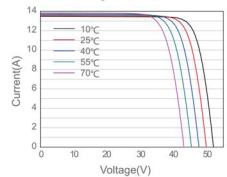
Current-Voltage Curve JAM72530-540/MR/1500V



Power-Voltage Curve JAM72530-540/MR/1500V



Current-Voltage Curve JAM72530-540/MR/1500V



SPF 5000 ES

- Integrated MPPT charge controller
- It can work with battery or without battery
- Maximun PV input voltage up to 450VDC
- Configurable grid or solar input priority
- Optional WIFI/ GPRS remote monitoring
- Parallel for scalability



Growatt powering tomorrow

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P O W E R
- I N G
T O M O -
R R O W

Datasheet

SPF 5000 ES

Battery voltage	48VDC
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INVERTER OUTPUT

RATED POWER	5000VA/ 5000W
Parallel Capability	Yes, 6 units
AC Voltage Regulation (Battery Mode)	230VAC \pm 5% @ 50/60Hz
Surge Power	10000VA
Efficiency (Peak)	93%
Waveform	Pure sine wave
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)

SOLAR CHARGER

Maximum PV Array Power	5500W
MPPT Range @ Operating Voltage	120VDC ~ 430VDC
Maximum PV Array Open Circuit Voltage	450VDC
Maximum Solar Charge Current	100A
Maximum Efficiency	97%

AC CHARGER

Charge Current	80A
AC Input Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50Hz/60Hz (Auto sensing)

PHYSICAL

Dimension (D/W/H) in mm	485/330/135
Net Weight (kgs)	12

OPERATING ENVIRONMENT

Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C - 60°C

Rosen Lithium Battery

CE | MSDS | UN38.3 | UL

- | Rosen Design Powerwall
- | Comprehensive BMS to Match all Hybrid Inverters
- | Convenient RS485,CAN BUS Communication
- | Wide Application in Solar Home and Industrial Projects

Technical Specification

Attractive Design

Rosen Lithium battery has compact design, LCD screen, convenient setting buttons, bluetooth Monitor on your smartphones, and cables&accessories ready for installation.

To welcome the world cooperation we accept OEM with your logo design!



Wide Application

Rosen Lithium Ion Powerwall series are widely used in Solar Systems for residential and commercial use. With more than 6000 times deep cycle, up to 90% DOD and phosphate battery Cell, Rosen Powerwall has won global approval!

