

PRESUPUESTO N°:

FECHA: 2023

N.I.F. o C.I.F. cliente:

PRESUPUESTO BASE 5KW
 con o sin BATERÍA de 10KW







CANTIDAD	DESCRIPCIÓN	PRECIO/UD.	SUMA
	INSTALACIÓN SOLAR;		
1	- Inversor DEYE SUN 5K-SG01LP1-US 48V 5.0Kw con doble entrada de mppt o TURBO ENERGY HYBRID.		Incluido
9	- Paneles Solares 550W JA SOLAR MONO PERC HC (144 medias células monocristalinas PERC) o similar.		Incluido
	- Estructura coplanar con varilla roscada y tornillería de acero inoxidable con pretensores.		Incluido
	- Cuadro de Protección DC/AC con sistema anti isla (Magnetotermico 16A x2, Magnetotermico 25A, Magnetotermico 40A, Porta fusibles 16A x2, Protección sobretension atmosférica x2, Selector de transferencia automática de doble potencia)		Incluido
	- Cableado de Paneles Solares hasta 25m		Incluido
	- Canalización Exterior e interior según normativa vigente.		Incluido
	- Pequeño material eléctrico.		Incluido
	- Sistema de monitorización desde cualquier dispositivo móvil.		Incluido
	- Mano de obra y montaje (Incluido desplazamiento) ingeniería y puesta en marcha de la instalación.		Incluido
	- Presentación de la documentación requerida en industria para la tramitación y legalización de la instalación.		Incluido
	- Tramitación de subvenciones		Incluido
	Cambiando el inversor de 5Kw por uno igual de 6Kw tiene un incremento de 150€ mas iva.		
	Instalación Solar		5.966€
	I.V.A. 21%		1.253€
	TOTAL INSTALACIÓN SOLAR		7.219€

CANTIDAD	DESCRIPCIÓN	PRECIO/UD.	SUMA
1	<p style="text-align: center;">SISTEMA DE ACUMULACIÓN (BATERÍAS)</p> <p>- BATERÍA 51,2V 200Ah (10,24Kw) LiFePo4 6000 ciclos de vida útil. - Cableado y pequeño material necesario para su conexionado a la instalación. - Mano de obra y montaje (Incluido desplazamiento) puesta en marcha de la batería.</p> <p style="text-align: right;">INSTALACIÓN ACUMULADORES 2.478€ I.V.A. 21% 520€ TOTAL INSTALACIÓN ACUMULADORES 2.998€</p> <p>NOTA ACLARATORIA, EN ESTOS PRECIOS NO ESTÁN INCLUIDOS;</p> <ul style="list-style-type: none"> - Cualquier tasa o documentación, para tramitar permisos municipales o de ejecución de obra. - Trabajos de Albañilería , Fontanería, o Pintura. - Electricidad (Modificación, instalación o montaje de cualquier elemento correspondiente a la instalación eléctrica o reforma del cuadro eléctrico). - Cualquier partida que no este estudiada y valorada en este presupuesto. - Andamios o utilización de camiones pluma para la elevación de materiales o ejecución de la obra. - La reparación de defectos o averías que deriven de un mal uso por parte del Cliente. <p>Este presupuesto tiene 15 días de validez contando desde la fecha del mismo</p> <p>FORMA DE PAGO: 50% a la firma y aceptación del presupuesto, 25% al inicio de la instalación y 25% a la finalización de los trabajos</p>		
	SUBTOTAL		8.444€
	IVA. 21%		1.773€
	TOTAL INSTALACIÓN SOLAR + BATERÍA		10.217€

Hybrid Inverter

SUN-5/6K-SG01LP1-US SUN-7.6/8K-SG01LP1-US/EU



-  Colorful touch LCD, IP65 protection degree
-  DC couple and AC couple to retrofit existing solar system
-  Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
-  Max. charging/discharging current of 190A
-  6 time periods for battery charging/discharging
-  Support storing energy from diesel generator

Technical Data

www.deyeinverter.com

Model	SUN-5K -SG01LP1-US	SUN-6K -SG01LP1-US	SUN-7.6K -SG01LP1-US/EU	SUN-8K -SG01LP1-US/EU
Battery Input Data				
Battery Type	Lead-acid or Lithium-ion			
Battery Voltage Range (V)	40-60			
Max. Charging Current (A)	120	135	190	190
Max. Discharging Current (A)	120	135	190	190
External Temperature Sensor	Yes			
Charging Curve	3 Stages / Equalization			
Charging Strategy for Li-Ion Battery	Self-adaption to BMS			
PV String Input Data				
Max. DC Input Power (W)	6500	7800	9880	10400
Rated PV Input Voltage (V)	370 (125-500)			
Start-up Voltage (V)	125			
MPPT Voltage Range (V)	150-425			
Full Load DC Voltage Range (V)	300-425	200-425		
PV Input Current (A)	13+13	26+13	26+26	
Max. PV I _{SC} (A)	22+22	44+22	44+44	
No. of MPP Trackers	2			
No. of Strings per MPP Tracker	1+1	2+1	2+2	
AC Output Data				
Rated AC Output Active Power (W)	5000	6000	7600	8000
Max AC Output Active Power (W)	5500	6600	8360	8800
AC Output Rated Current (A)	20.8/24	25/28.8	31.7/36.5	33.3/38.5
Max AC Output Current (A)	22.9/26.4	27.5/31.7	34.8/40.2	36.7/42.3
Max. Continuous AC Passthrough (A)	50			
Peak Power (off grid)	2 time of rated power, 10 S			
Power Factor Adjustment Range	0.8 leading to 0.8 lagging			
Power Factor	1			
Output Frequency and Voltage	50 / 60Hz; L1/L2/N(PE) 120/240Vac (split phase), 208Vac (2/3 phase), L/N/PE 220/230Vac (single phase)			
Grid Type	Split Phase; 2/3 phase; Single Phase			
Total Harmonic Distortion (THD)	<3% (of nominal power)			
DC Current Injection	<0.5% I _n			
Efficiency				
Max. Efficiency	97.60%			
Euro Efficiency	97.00%			
MPPT Efficiency	99.90%			
Protection				
Integrated	Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection			
Over Voltage Category	DC Type II/AC Type III			
Certifications and Standards				
Grid Regulation	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150			
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2			
General Data				
Operating Temperature Range ()	-40-60°C, >45°C derating			
Cooling	Smart Cooling			
Noise (dB)	≤30 dB			
Communication with BMS	RS485; CAN			
Weight (kg)	32			
Size (mm)	420W×670H×233D			
Protection Degree	IP65			
Installation Style	Wall-mounted			
Warranty	5 Years (10 Years Optional)			

Harvest the Sunshine

1 de 2
DEEP BLUE 3.0

Mono

550W MBB Half-cell Module
 JAM72S30 525-550/MR 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

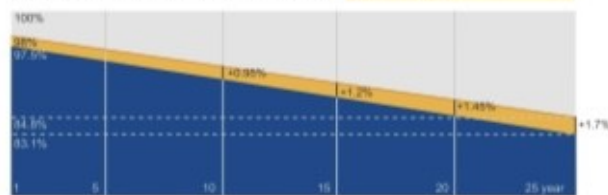


Better mechanical loading tolerance

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

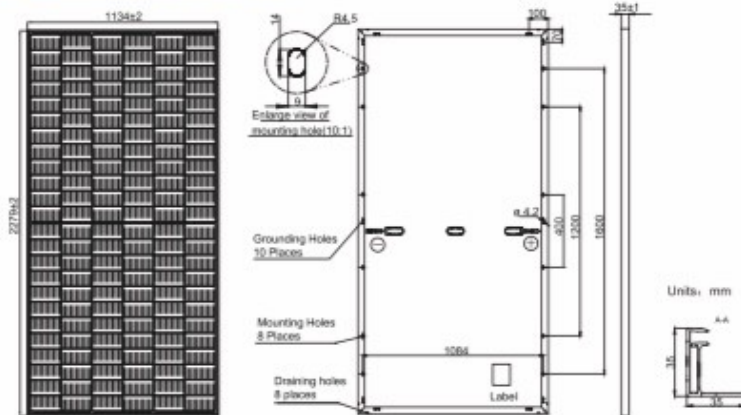
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval



JA SOLAR

JAM72S30 525-550/MR Series

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	MC4(1000V) MC4-EVO2(1500V)
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1300mm(+)/1300mm(-)
Packaging Configuration	31pcs/Pallet, 620pcs/40ft Container

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72S30 -525/MR	JAM72S30 -530/MR	JAM72S30 -535/MR	JAM72S30 -540/MR	JAM72S30 -545/MR	JAM72S30 -550/MR
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(α _{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/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 -525/MR	JAM72S30 -530/MR	JAM72S30 -535/MR	JAM72S30 -540/MR	JAM72S30 -545/MR	JAM72S30 -550/MR
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
NOCT	Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G					

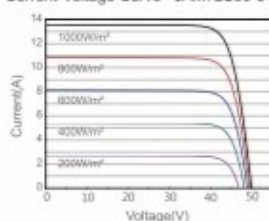
*For NexTracker installations, Maximum Static Load.Front is 2400Pa while Maximum Static Load.Back is 2400Pa.

OPERATING CONDITIONS

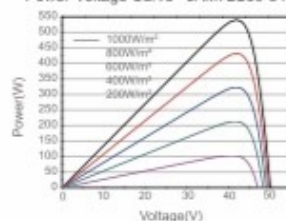
Maximum System Voltage	1000V/1500V DC
Operating Temperature	-40 C ~+85 C
Maximum Series Fuse Rating	25A
Maximum Static Load.Front*	5400Pa(112lb/ft ²)
Maximum Static Load.Back*	2400Pa(50lb/ft ²)
NOCT	45±2 C
Safety Class	Class II
Fire Performance	UL Type 1

CHARACTERISTICS

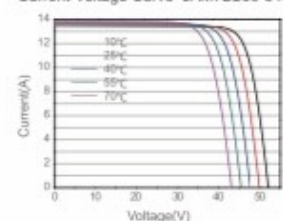
Current-Voltage Curve JAM72S30-540/MR



Power-Voltage Curve JAM72S30-540/MR



Current-Voltage Curve JAM72S30-540/MR



ESS

House(Villa) Wall Battery System



BOX-2 10.24KWH



Product Description

Technical Specifications		
Battery Type	LiFeP04	
Norminal Voltage (V)	51.2V	
Norminal Energy(KWH)	5.12KWH	10KWH
Nominal Capacity (Ah)	100Ah	200Ah
Design Years	15 Years	
Product Size		
Size(mm)	520*600*165	505*650*185
Weight	48.35kg	85.8 kg
Technical Parameter		
Cycle Life	6000 cycles	
Operating Voltage Range	43.2V-57.6V	
Charging Voltage	DC 57.6V	
Charge/Discharge Current(A)	Same Port 100A	
Internal Resistance	≤40 mΩ	
BMS Parameters		
Self-Consumption	≤2.5W	
Rated Voltage	51.2V	
Balance Current	30-65(MA)	
Communication Method	CAN/RS485/ RS232(Optional)	
Information Storage	500 Strip	
Limiting	10/20A(Optional)	
Ambient Temperature		
Operating Temperature	-10°C-55°C	
Storage Temperature	0°C-55°C	
Humidity	15%-75%	
Warranty		
Warranty	10 Years	



Smart

Each module is equipped with an independent BMS system.



Easy Installation

Just Plug & Play.



Safe

Safe lithium Iron phosphate battery cell.



Certifications

CE IEC
UN38.3 MSDS.



Modular

Modular expansion.



Longer Lifetime

6000 cycles, 15 years design life.



首航新能源



Power Solutions Expert



Lithium battery systems are widely used in residential energy storage systems, such as solar energy storage systems and UPS. The power wall LiFeP04 battery pack adopts the international advanced lithium iron phosphate battery application technology and BMS control technology.