

PRESUPUESTO N°: 2023

FECHA: 2023

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

PRESUPUESTO BASE 8KW  
 con o sin BATERÍA de 10KW







CANTIDAD	DESCRIPCIÓN	PRECIO/UD.	SUMA
	<b>INSTALACIÓN SOLAR;</b>		
1	- Inversor DEYE HIBRIDO SUN 8K 220V 8.0Kw con doble entrada de mppt.		Incluido
14	- 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, Magnetofónico 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, así como su puesta en marcha.		Incluido
	- Tramitación de subvenciones		Incluido
	Instalación Solar .....		8.712€
	I.V.A. 21% .....		1.830€
	<b>TOTAL INSTALACIÓN SOLAR ....</b>		<b>10.542€</b>

CANTIDAD	DESCRIPCIÓN	PRECIO/UD.	SUMA
1	<p style="text-align: center;"><b>SISTEMA DE ACUMULACIÓN (BATERÍAS)</b></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 las baterías.</p> <p style="text-align: right;">TOTAL INSTALACIÓN ACUMULADORES ..... 2.478€            I.V.A. 21% ..... 520€</p> <p style="text-align: right;"><b>PRECIO BATERÍA CON I.V.A. INCLUIDO .... 2.998€</b></p> <p><b>NOTA ACLARATORIA, EN ESTOS PRECIOS NO ESTÁN INCLUIDOS;</b></p> <ul style="list-style-type: none"> <li>- Cualquier tasa o documentación, para tramitar permisos municipales o de ejecución de obra.</li> <li>- Trabajos de Albañilería , Fontanería, o Pintura.</li> <li>- Electricidad (Modificación, instalación o montaje de cualquier elemento correspondiente a la instalación eléctrica o reforma del cuadro eléctrico).</li> <li>- Cualquier partida que no este estudiada y valorada en este presupuesto.</li> <li>- Andamios o utilización de camiones pluma para la elevación de materiales o ejecución de la obra.</li> <li>- La reparación de defectos o averías que deriven de un mal uso por parte del Cliente.</li> </ul> <p><b>Este presupuesto tiene 15 días de validez contando desde la fecha del mismo</b></p> <p><b>FORMA DE PAGO:</b> 50% a la firma y aceptación del presupuesto, 25% al inicio de la instalación y 25% a la finalización de los trabajos</p>		
SUBTOTAL INSTALACIÓN SOLAR + BATERÍA			11.190€
IVA. 21%			2.350€
<b>TOTAL INSTALACIÓN SOLAR CON BATERÍA</b>			<b>13.540€</b>

## 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
<b>Battery Input Data</b>				
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			
<b>PV String Input Data</b>				
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 <sub>SC</sub> (A)	22+22	44+22	44+44	
No. of MPP Trackers	2			
No. of Strings per MPP Tracker	1+1	2+1	2+2	
<b>AC Output Data</b>				
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	34.5/33
Max AC Output Current (A)	22.9/26.4	27.5/31.7	34.8/40.2	38/36.3
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 <sub>n</sub>			
<b>Efficiency</b>				
Max. Efficiency	97.60%			
Euro Efficiency	97.00%			
MPPT Efficiency	99.90%			
<b>Protection</b>				
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			
<b>Certifications and Standards</b>				
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			
<b>General Data</b>				
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

**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

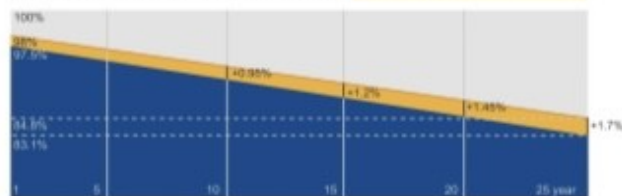


Better mechanical loading tolerance

**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**

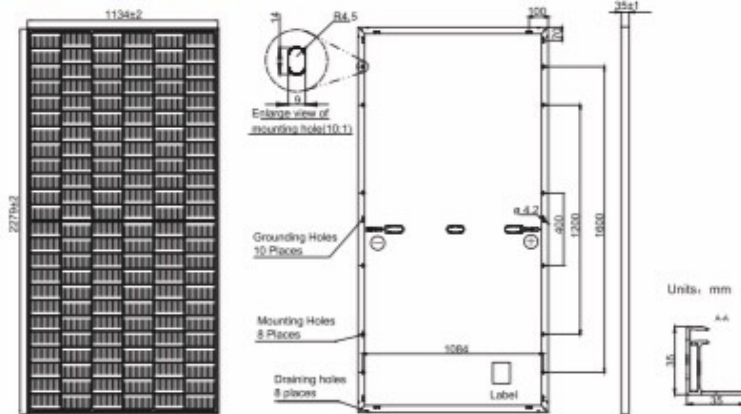
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence 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 <sup>2</sup> (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 <sub>Isc</sub> )	+0.045%/°C					
Temperature Coefficient of Voc(β <sub>Voc</sub> )	-0.275%/°C					
Temperature Coefficient of Pmax(γ <sub>Pmp</sub> )	-0.350%/°C					
STC	Irradiance 1000W/m <sup>2</sup> , 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 <sup>2</sup> , ambient temperature 20°C, wind speed 1m/s, AM1.5G					

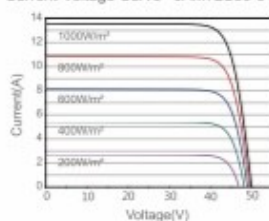
\*For NexTracker installations, Maximum Static Load.Front is 2400Pa while Maximum Static Load.Back is 2400Pa.

**OPERATING CONDITIONS**

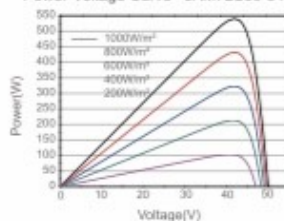
Maximum System Voltage	1000V/1500V DC
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse Rating	25A
Maximum Static Load.Front*	5400Pa(112lb/ft <sup>2</sup> )
Maximum Static Load.Back*	2400Pa(50lb/ft <sup>2</sup> )
NOCT	45±2°C
Safety Class	Class II
Fire Performance	UL Type 1

**CHARACTERISTICS**

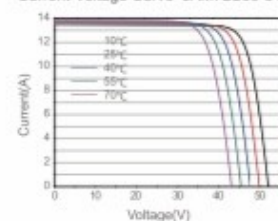
Current-Voltage Curve JAM72S30-540/MR



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	
Normal Voltage (V)	51.2V	
Normal 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.



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.