PRODUCCIONES CAMPEÓN S.L
C.I.F.: B-87975553
C/PERÚ, 4 planta 1ª oficina 1ª
28290 LAS MATAS (Madrid)
Teléf.: 639 222 600 (Juan)
Teléf : 666 889 450 (Paco)

PRESUPUESTO Nº:
FECHA: 2023

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

PRESUPUESTO BASE 3,6KW
con o sin BATERÍA de 10KW

CANTIDAD	DESCRIPCIÓN	PRECIO/UD.	SUMA
	INSTALACIÓN SOLAR;		
1	- Inversor DEYE SUN 3,6K-SG01LP1-US 48V 3.6Kw con doble entrada de mppt.		Incluido
6	- Paneles Solares 550W JA SOLAR MONO PERC HC (144 medias células monocristalinas PERC) o similar.		Incluido
	- Estructura coplanar con varilla roscada y tornilleria 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
	Instalación Solar		3.849€
	I.V.A. 21%		808€
	TOTAL INSTALACIÓN SOLAR		**4.657€**

PRODUCCIONES Campeón SOLAR

CANTIDAD	DESCRIPCIÓN	PRECIO/UD.	SUMA
	SISTEMA DE ACUMULACIÓN (BATERÍAS)		
1	- 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.		
	INSTALACIÓN ACUMULADORES		2.478€
	I.V.A. 21%		520€
	TOTAL INSTALACIÓN ACUMULADORES		**2.998€**
	NOTA ACLARATORIA, EN ESTOS PRECIOS NO ESTÁN INCLUIDOS; **- 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 averiás que deriven de un mal uso por parte del Cliente.** **Este presupuesto tiene 15 días de validez contando desde la fecha del mismo** **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		
	SUBTOTAL		6.327€
	IVA. 21%		1.328€
	TOTAL INSTALACIÓN SOLAR + BATERÍA		**7.655€**

PRODUCCIONES Campeón SOLAR

Hybrid Inverter

SUN-3.6/5/6/7.6/8K-SG05LP1-EU

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

Deye

Stock Code: 605117.SH

PRODUCCIONES Campeón SOLAR

Technical Data

www.deyeinverter.com

Model	SUN-3.6K -SG05LP1-EU	SUN-5K -SG05LP1-EU	SUN-6K -SG05LP1-EU	SUN-7.6K -SG05LP1-EU	SUN-8K -SG05LP1-EU
Battery Input Data					
Battery Type	Lead-acid or Lithium-ion				
Battery Voltage Range (V)	40-60				
Max. Charging Current (A)	90	120	135	190	190
Max. Discharging Current (A)	90	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)	4680	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+26	
Max. PV I_{SC} (A)	17+17			34+34	
No.of MPP Trackers	2				
No.of Strings per MPP Tracker	1+1			2+2	
AC Output Data					
Rated AC Output Active Power (W)	3600	5000	6000	7600	8000
Max AC Output Active Power (W)	3960	5500	6600	8360	8800
AC Output Rated Current (A)	16.4/15.7	22.7/21.7	27.3/26.1	34.5/33	36.4/34.8
Max AC Output Current (A)	18/17.2	25/23.9	30/28.7	38/36.3	40/38.3
Max. Continuous AC Passthrough (A)	35		40	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; L/N/PE 220/230Vac				
Grid Type	Single Phase				
Total Harmonic Distortion (THD)	<3% (of nominal power)				
DC Current Injection	<0.5% In				
Efficiency					
Max. Efficiency	97.60%				
Euro Efficiency	96.50%				
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)	24				
Cabinet Size (WxHxD mm)	330×580×232 (Excluding Connectors and Brackets)				
Protection Degree	IP65				
Installation Style	Wall-mounted				
Warranty	5 Years (10 Years Optional)				

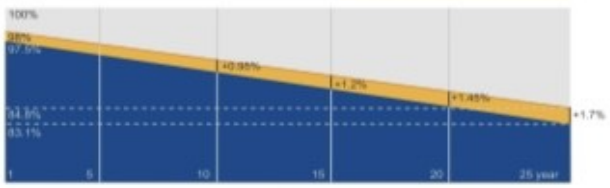
PRODUCCIONES Campeón SOLAR

- 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

www.jasolar.com

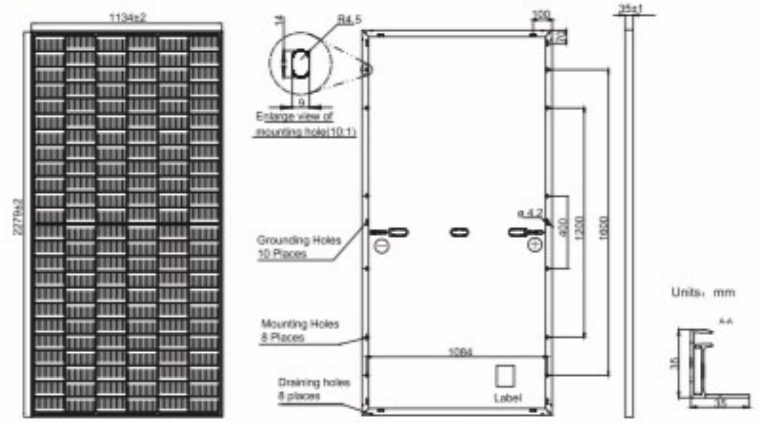
Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.

PRODUCCIONES Campeón SOLAR

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	4mm² (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/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.

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

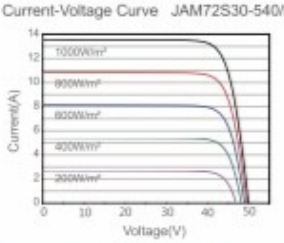
*For NexTracker insallations, Maximum Static Load,Front is 2400Pa while Maximum Static Load,Back is 2400Pa.

OPERATING CONDITIONS

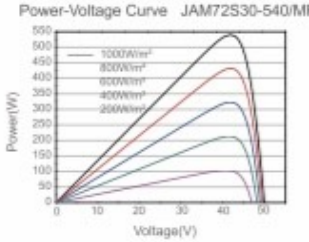
Maximum System Voltage	1000V/1500V DC
Operating Temperature	-40℃~+85℃
Maximum Series Fuse Rating	25A
Maximum Static Load,Front* Maximum Static Load,Back*	5400Pa(112lb/ft²) 2400Pa(50lb/ft²)
NOCT	45±2℃
Safety Class	Class Ⅱ
Fire Performance	UL Type 1

CHARACTERISTICS

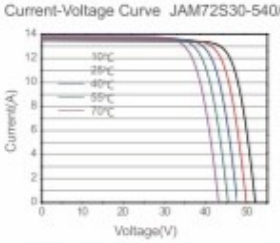
Current-Voltage Curve JAM72S30-540/MR



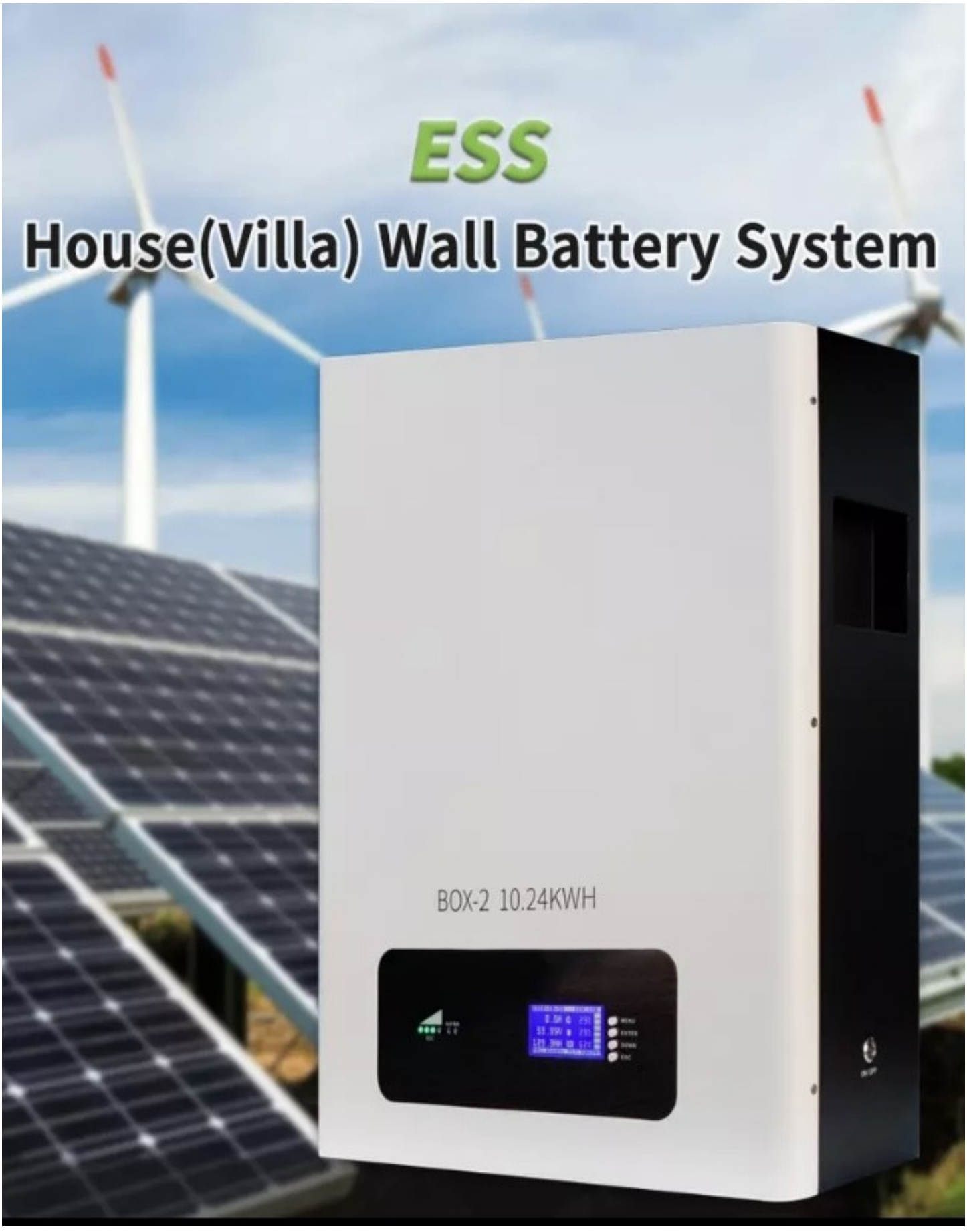
Power-Voltage Curve JAM72S30-540/MR



Current-Voltage Curve JAM72S30-540/MR



PRODUCCIONES Campeón SOLAR



PRODUCCIONES Campeón SOLAR

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.

victron energy · SOFAR SOLAR 首航新能源 · PYLONTECH · SOROTEC Power Solutions Expert · Voltronic Power · 索瑞德 · Deye 德业 · LUXPOWER TEK · GOODWE · SMA · Sol-Ark LIMITLESS POWER · TBB POWER · Growatt · MUST 美世乐 · SRNE 硕日 · KSTAR 科士达 股票代码：002518

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.