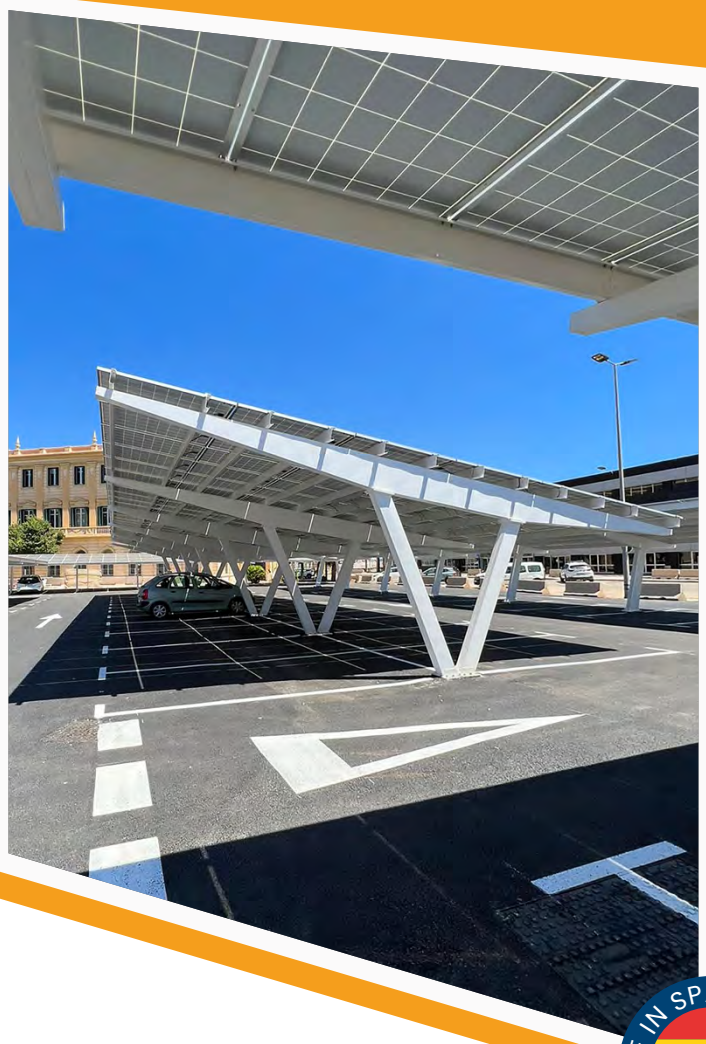

MADE IN SPAIN.

sunpark®

solar parking system

SOLAR CARPORTS

Innovation, sustainability, efficiency, environmentally friendly.

solar parking system

30%

RENEWABLE

ENERGY

sunpark®

Sunpark® is a company of the Europa Prefabri Group

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sunpark®
solar parking system

ABOUT US

SUNPARK® is an innovative product co-jointly developed by the metal structure manufacturer ET EUROPA and renewable energy professionals. The product targets all sectors (industry, businesses, shopping centres, agriculture, residential, etc.) from design, manufacturing, supply and assembly to a complete turnkey solution for solar carports. SUNPARK® also doubles up for the perfect EV charging point solution.

ET EUROPA is one of Spain's main players in the metal carport market. Specialised in the design, manufacture and assembly of metal carports with over 30 years' experience, ET EUROPA has delivered more than 1 million square metres of carports.

Our professional team has an extensive experience in the development of photovoltaic solar projects (engineering and installation), executing high-performance installations for residential, industry or businesses.

What is SUNPARK?

The latest regulatory changes have turned photovoltaic self-consumption into a truly profitable alternative for generating electricity in your own home or business, resulting in huge savings on your electricity bill and in turn providing a quick return on investment for small, medium and large solar installations.

A solar car park is a carport with solar panels acting as a canopy. It not only serves to protect vehicles from the weather but doubles up as a generator of energy, either to store in batteries for later consumption, for on-site self-consumption of the energy produced or for surplus compensation returning the excess to the electricity grid.

SUNPARK® is the first standardised surface-mounted solar car park in Spain, geared towards self-consumption and also useful for photovoltaic plants. It is a turnkey solution that includes everything from engineering and manufacturing to assembly and commissioning, as well as permit management and even monitoring and control of the installation once completed.

SUNPARK® opens up the possibility of having a self-consumption photovoltaic installation to those users who do not have a roof suitable for the installation of solar panels for various reasons, but do have a parking area or any free area that they can use to generate energy and at the same time use as a carport.

It is an alternative for the architectural integration of solar energy in urban or rural areas that, thanks to its dual use as a car park and energy generating facility, offers the best cost-benefit ratio.

SUNPARK® is not only resistant, stylish and functional, but also a turnkey solution that is easy to configure, purchase and at a fixed price.

Innovation, sustainability, efficiency, environmentally friendly

Cost savings

The product achieves cost savings through industrialisation and standardisation, structural optimisation and component integration.

Turnkey product

Sunpark offers a turnkey product, from the design of the car park to manufacturing, assembly, permit management and monitoring of the installation.

Usability

Through the mobile/PC monitoring application, the client will be able to check their energy consumption and production in real time to avoid losses and maximize the performance of the solar installation.

Payment facilities

Ask our financing service for businesses and professionals. Also available in PPA (Power Purchase Agreement).

Adaptability

The product is designed to adapt to any type of photovoltaic module, charger, or inverter, ensuring maximum compatibility and flexibility in any photovoltaic or electric vehicle charging project.

360 Assessment

SUNPARK guarantees assessment from qualified personnel throughout the entire project, starting with the identification of the customer's needs and ending with the monitoring and maintenance of the installation.

Image and visibility

The visibility of the solar installation is usually greater on a solar carport compared to an installation on a roof; an advantage for those who also value their installation from a corporate image perspective.

Grants

Our team will advise you on possible grants and aids to which you may be entitled for investing in renewable energy for self-consumption.

SUNPARK® MODELS

We have modules adapted to different situations based on the location of the car park.

SUNPARK® M1

Removable metal carport made of IPE type hot-rolled beams of variable section and thickness. Single and double versions are available in accordance with the parking distribution of the site, with painted, lacquered or galvanised finishes. Designed in four versions to adapt to wind and snow loads, in compliance with the Spanish CTE Building Code. Its industrial design is both robust and timeless.

SUNPARK® M2

Our metal carport is made from box-beam profiles of variable section and thickness, with welded joints between the beam and the pillar providing strength and stability.

We offer single and double models depending on the parking distribution and orientation of the car park, with paint, lacquer or galvanised finishes. Its modern and functional design has been calculated in four different versions, adapting to the wind and snow loads of each location, complying with the Spanish CTE Building Code.

SUNPARK® BIKES

Sunpark Bikes is another step in our commitment to a greener planet. In ever increasingly congested cities, the bike is a sustainable alternative. Designed to accommodate both standard and electric bikes, it features integrated chargers. More than just a cover, Sunpark Bikes is an environmental statement that makes it easy to locate, rent and store bikes.

Custom design and manufacturing also available

Our specialisation as carport manufacturers allows us to offer, in addition to our standard models, any modification to them, as well as any other special design at the client's request and depending on the various factors that affect the design of the carports.

Extras

Alucobond cladding, sandwich panel or roof tile covering, ceiling, LED lighting integration, among others.

SOLAR PANELS

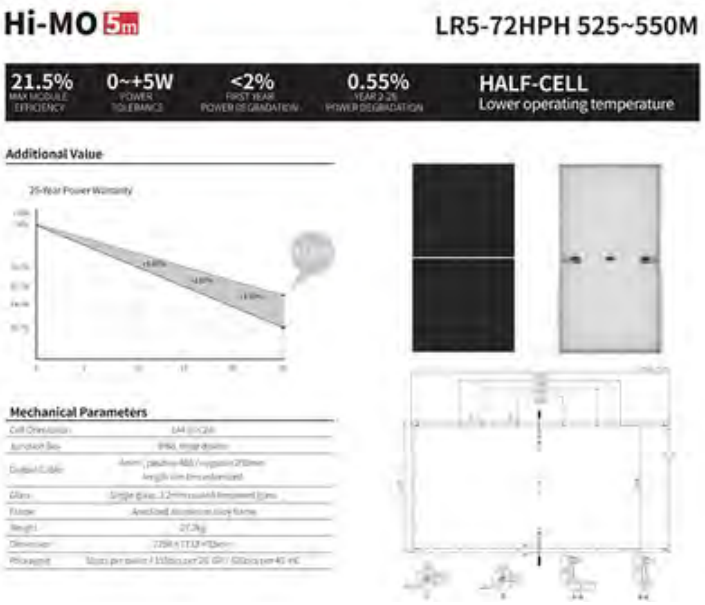
PV EQUIPMENT & COMPONENTS

SUNPARK® is compatible with all types of photovoltaic panels, and can be adapted to different manufacturers depending on the characteristics and power required for each installation. Bifacial panels can be used and always from leading brands with CE Marking and TIER1 Certification, to guarantee possible replacements in the future. Some examples of reference manufacturers are LONGI, JA SOLAR, JINKO and EXION SOLUTION SA, among others.

Reduce your electricity bill. Gain freedom from possible price hikes of the energy you consume. Reduce CO2 emissions, helping to preserve the planet.

***Start generating, saving and consuming energy thanks to your own photovoltaic installation.**

***Compatible with all types of panels, dimensions and weights.**



INVERTERS

PV EQUIPMENT & COMPONENTS

The choice of inverter will depend on the type of current (single-phase or three-phase), the type of installation (grid-connected or stand-alone) and the power of the photovoltaic generator. SUNPARK® integrates with the main inverter brands.

Ingeteam

HUAWEI

GOODWE
YOUR SOLAR ENGINE

ENERSONN
energías renovables

Fronius

EV Chargers

We offer a range of smart chargers depending on the customer's needs and the type of electric vehicle to be charged. The chargers we work with include single-phase and three-phase chargers with outputs from 3.7 kW to 60 kW, covering the 4 existing charging modes. SUNPARK® integrates with the main charger brands.

***Compatible with all types of inverters and chargers.**

EV charging points

All SUNPARK® carports are designed for the possible integration of charging points for electric vehicles, with clean and renewable energy. To do this, we always choose leading brands.

wallbox

ORBIS
energía inteligente

SOL-FIX

One-stop Parking Service

In addition to the supply and installation of carports with a complete photovoltaic installation, we offer a comprehensive service for parking from the ground works and foundations of the carports to the installation of security booths, barriers and access systems, lighting, horizontal and vertical signage, etc.

Sunpark estimated annual energy production table

Parking Spaces	Surface area (m²)	No. Modules	Pp (kWp)	Estimated annual production (kWh)*					
				Madrid	Barcelona	Valencia	A Coruña	Sevilla	Las Palmas
2	26	8	4,40	6.534	5.992	6.361	5.097	6.720	7.323
4	52	16	8,80	13.068	11.984	12.722	10.194	13.440	14.646
6	78	24	13,20	19.602	17.976	19.083	15.291	20.160	21.969
8	104	34	18,70	27.770	25.466	27.034	21.662	28.560	31.123
10	130	42	23,10	34.304	31.458	33.395	26.759	35.280	38.446
12	156	50	27,72	41.164	37.750	40.074	32.111	42.336	46.135
14	182	60	33,00	49.005	44.940	47.708	38.228	50.400	54.923
16	208	68	37,40	55.539	50.932	54.069	43.325	57.120	62.246
18	234	76	41,80	62.073	56.924	60.430	48.422	63.840	69.569
20	260	86	47,30	70.241	64.414	68.381	54.793	72.240	78.722
22	286	94	51,70	76.775	70.406	74.742	59.890	78.960	86.045
24	312	102	56,10	83.309	76.398	81.103	64.987	85.680	93.368
26	338	112	61,60	91.476	83.888	89.054	71.358	94.080	102.522
28	364	120	66,00	98.010	89.880	95.415	76.455	100.800	109.845
30	390	128	70,40	104.544	95.872	101.776	81.552	107.520	117.168
32	416	136	74,80	111.078	101.864	108.137	86.649	114.240	124.491
34	442	146	80,30	119.246	109.354	116.088	93.020	122.640	133.645
36	468	154	84,70	125.780	115.346	122.449	98.117	129.360	140.968
38	494	162	89,10	132.314	121.338	128.810	103.214	136.080	148.291
40	520	170	93,50	138.848	127.330	135.171	108.311	142.800	155.614
42	546	178	97,90	145.382	133.322	141.532	113.408	149.520	162.937
44	572	186	102,30	151.916	139.314	147.893	118.505	156.240	170.260
60	780	256	140,80	209.088	191.744	203.552	163.104	215.040	234.336
90	1170	388	213,40	316.899	290.612	308.509	247.205	325.920	355.166
120	1560	512	281,60	418.176	383.488	407.104	326.208	430.080	468.672
150	1950	640	352,00	522.720	479.360	508.880	407.760	537.600	585.840
180	2340	774	425,70	632.165	579.726	615.427	493.135	650.160	708.500
210	2730	900	495,00	735.075	674.100	715.613	573.413	756.000	823.838

**The data shown is indicative and varies depending on the location, orientation of the installation, climate, model and technology of the photovoltaic panels used.*

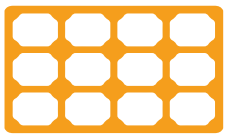
Sunpark EV charging point consumption and potential charging time table

Vehicle and model	Consumption Wh/km	Consumption	Annual distance potencial travel per Sunpark space (km per year)					
			Madrid	Barcelona	Valencia	A Coruña	Seville	Las Palmas
BMW i13	169	16,9	19.331	17.728	18.820	15.080	19.882	21.666
XEV Yoyo	69	6,9	47.348	43.420	46.094	36.935	48.696	53.065
BYD e6	160	16,0	20.419	18.725	19.878	15.928	21.000	22.884
Citroën C-Zero	130	13,0	25.131	23.046	24.465	19.604	25.846	28.165
Ford Focus Electric	140	14,0	23.336	21.400	22.718	18.204	24.000	26.154
Mitsubishi i-Miev	135	13,5	24.200	22.193	23.559	18.878	24.889	27.122
Nissan Leaf	173	17,3	18.884	17.318	18.384	14.731	19.422	21.165
Peugeot ION	125	12,5	26.136	23.968	25.444	20.388	26.880	29.292
Renault Fluence Z.E.	144	14,4	22.688	20.806	22.087	17.698	23.333	25.427
Renault Twizy	76	7,6	42.987	39.421	41.849	33.533	44.211	48.178
Renault ZOE	125	12,5	26.136	23.968	25.444	20.388	26.880	29.292
Smart Fortwo EV	122	12,2	26.779	24.557	26.070	20.889	27.541	30.012
Tesla Model S	200	20,0	16.335	14.980	15.903	12.743	16.800	18.308
Volkswagen e-Golf	187	18,7	17.471	16.021	17.008	13.628	17.968	19.580
Volkswagen e-up!	138	13,8	23.674	21.710	23.047	18.467	24.348	26.533
MEDIA	140	14,0	25.390	23.284	24.718	19.806	26.113	28.456

**The data shown in indicative and varies depending on the location, orientation of the installation, climate, model and technology of the photovoltaic panels used.*

All SUNPARK carport models are modular, meaning they can be extended by adding modules.

Possibility to fit trapezoidal metal roof sheeting between the solar panels and purlins to ensure weatherproofing at the customer's request.



Bifacial Panel Option. If the parking lot ground has a light colour slab, bifacial panels can be used to take advantage of the Albedo effect. This greatly enhances the output of the installation.

Sealing solutions with rainwater drainage pipes.

QUALITY & GUARANTEE

SUNPARK® offers a 5-year warranty on all solar carports against any hidden structural manufacturing defects. Our solar inverters are high quality, highly efficient and robust, guaranteeing a minimum of 5 years, with the possibility of extending up to 20 years.

CE

ET EUROPA has a Factory Production Control system certified in accordance with the UNE-EN-1090-2 standard. Execution class EXC2. This system guarantees the supply with CE Marking of all installed metal structures.

Likewise, compliance with the Spanish CTE Building Code is also guaranteed for all SUNPARK carport models. Each model has 4 different versions calculated in accordance with the wind and snow loads of the car park location.

In addition, our solar panel brands offer a 12-year product warranty and up to 25 years in minimum energy production (see specific conditions), the highest on the market.

sunpark®

solar parking system

Parking away the past

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