



“eParking” Solutions

**Solar parking solutions that redefine
how parking lots are used**

eParking is a sustainable approach to transforming car parking spaces into a solar powered energy system. Its innovative design protects vehicles from the sun while generating power and reducing overall energy costs. With its innovative lighting system, eParking seamlessly guides users to available parking spots. With built-in sensors, eParking also automatically illuminates parking spaces for your comfort.

E24 eParking is built over a 3D platform allowing it to be adjusted to best align with the sun's rays while also fitting the selected car heights. Its versatility allows it to be integrated into any space, within any energy system, with benefits demonstrated from day one.

S120E

E24™
BRIDGING THE ENERGY GAP



“An eco-conscious solution employing solar panels over car parks to offer shade, reduce heat, generate free power and reduce costs.”



Why eParking?

With rapid demographic and economic growth, demand for electricity is ever-increasing, and with it the gap between energy supply and demand. Electricity production from fossil fuels is the largest source of greenhouse gas emissions and will continue to grow as more people are connected to the grid.

At the same time, technological advances in the renewable energy industry are allowing for bigger, better, and more efficient energy solutions at lower costs.

Businesses, homes, and factories are exhibiting a growing trend toward independence from fossil fuels and movement toward cleaner and more affordable energy. Solar energy in particular has been a preferred choice to reduce costs, boast sustainable values, and a lower carbon footprint.

E24 eParking is the ideal solution for homes and businesses looking to generate solar energy but lack the rooftop or ground space. eParking brings shade to your car park while generating renewable power to save on your energy bills.



eParking: A New Concept

E24 offers innovative and adapted solar parking solutions to optimise the usage of parking spaces while generating power. Its key benefits include:

Renewable energy generation

eParking allows you to generate your own renewable energy at a life-long fixed price, ranging from a few kW to MWs depending on the available space. This translates to a solar power source that supplies energy for lights, security cameras, and buildings. As a result, you can benefit from cleaner, cheaper energy and substantial savings on utility bills. Optional integration with E24 storage solutions furthers energy savings and comfort.

Vehicle fuel savings

Parking in the shade reduces surrounding ground temperatures and internal heat in cars. eParking reduces the need for prolonged periods of air-conditioning to lower cars' temperature, increasing fuel efficiency and reducing consumption.

Eco-friendly image and values

Choosing solar energy demonstrates a commitment to lowering carbon emissions. eParking solutions improves your image, sending a message of environmental responsibility.

Easy location of available parking spaces

eParking makes it easy to find available places, showing green lights for free parking spots and red lights for taken parking spots (optional).

Illuminated spaces

eParking illuminates parking spaces for 3 minutes (optional) allowing drivers to feel safe and see around the vehicles in the dark.

Reduced urban heat effect

The heat absorbing properties of pavements contribute to increased temperatures in urban areas. Deploying the eParking solution creates shade and comfort, and lowers the temperature of the surrounding environment.

Attractive unique design

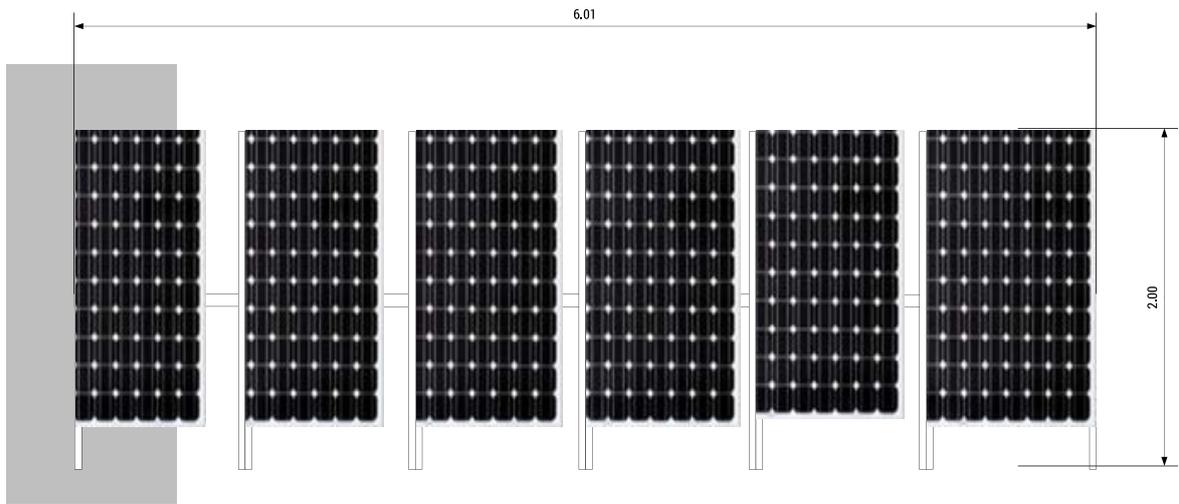
E24's eParking design is built using a single pole instead of four, preventing accidents and allowing easier maneuvering under the car park. The design of the eParking solution is modern, sleek and attractive.

eParking Pays for Itself

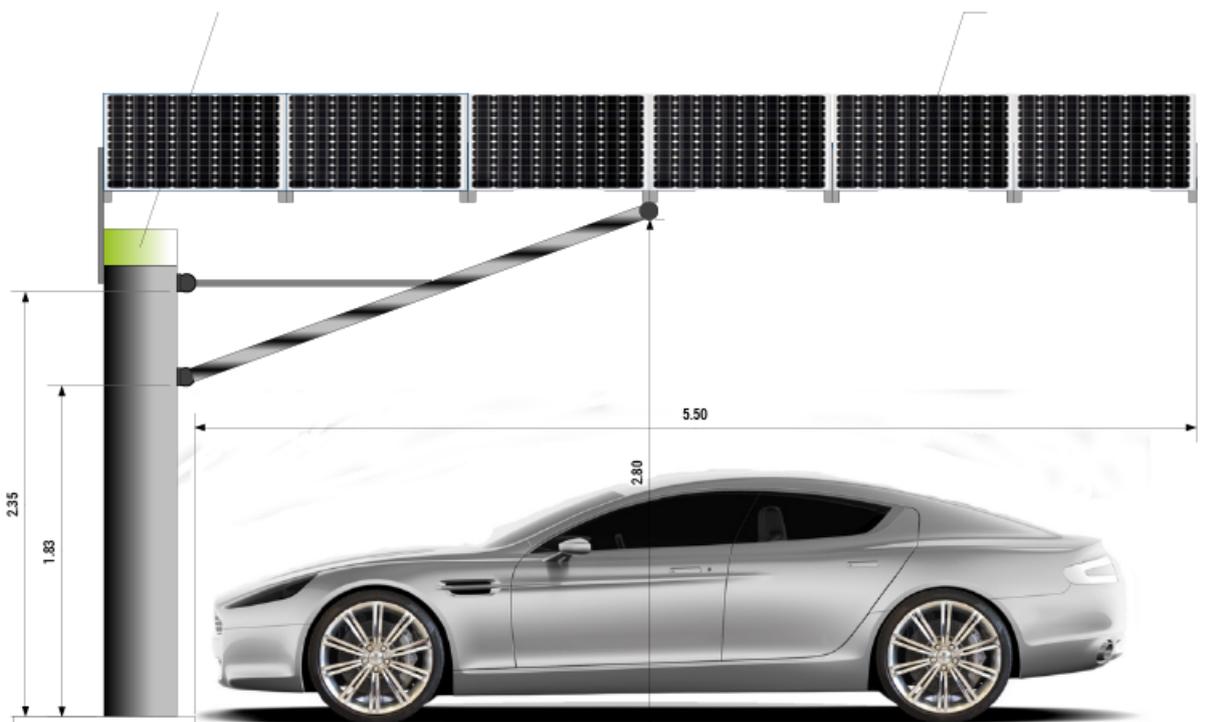
eParking allows people to protect their cars from the sun, optimize parking spaces, and generate renewable electricity that quickly offsets the cost of eParking, bringing in greater savings in the long run.

Who Can Benefit from eParking?

eParking is ideal for commercial and residential applications alike, including: villa, home, and building owners, large commercial and industrial parking spaces like hospitals, factories, airports, malls and shops, institutions and educational centers...



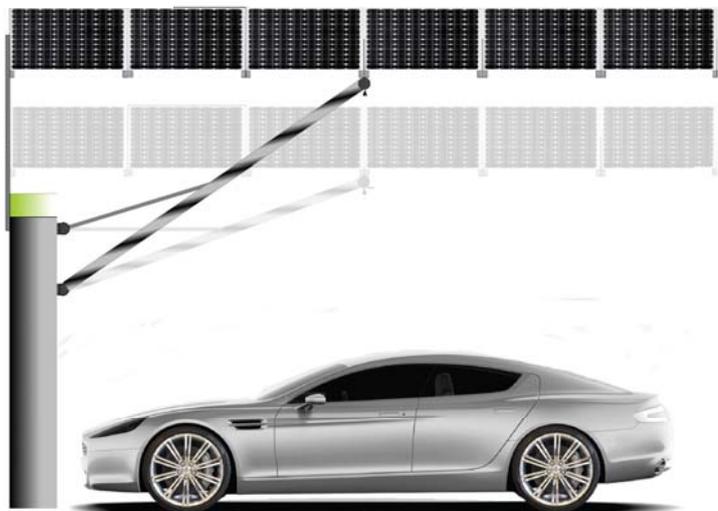
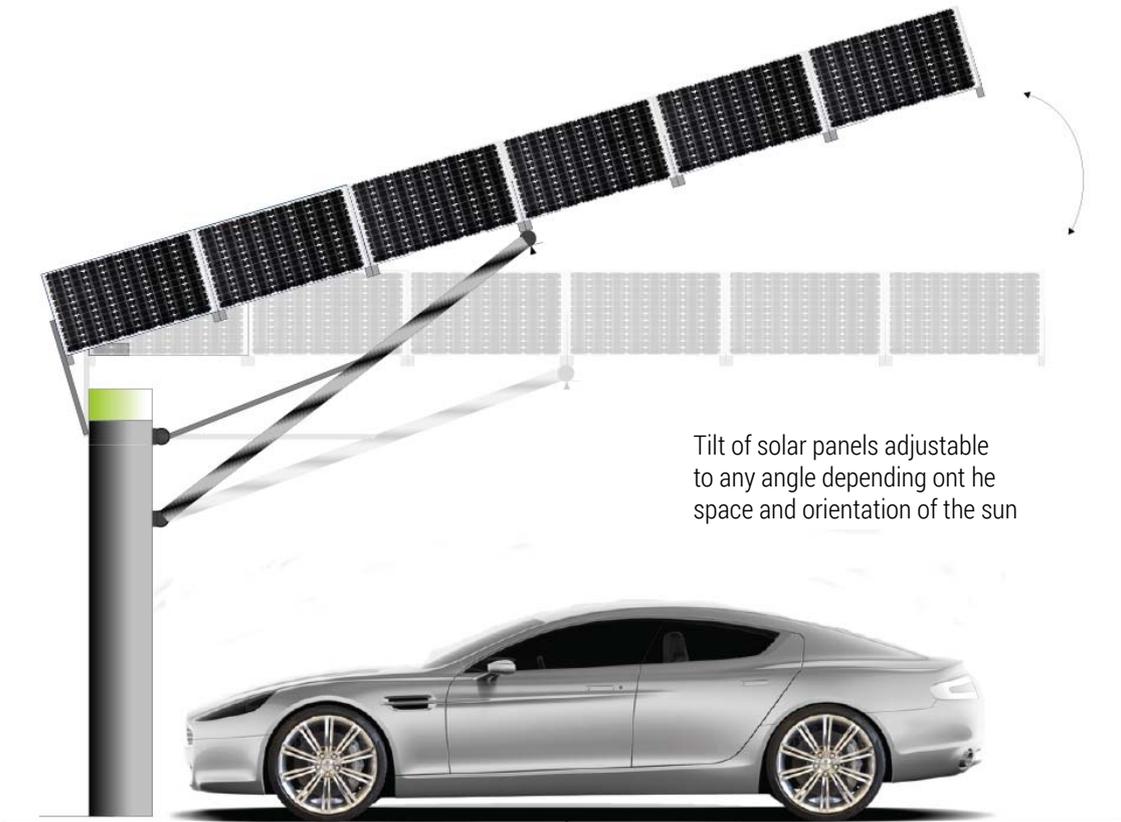
Top View



Side View

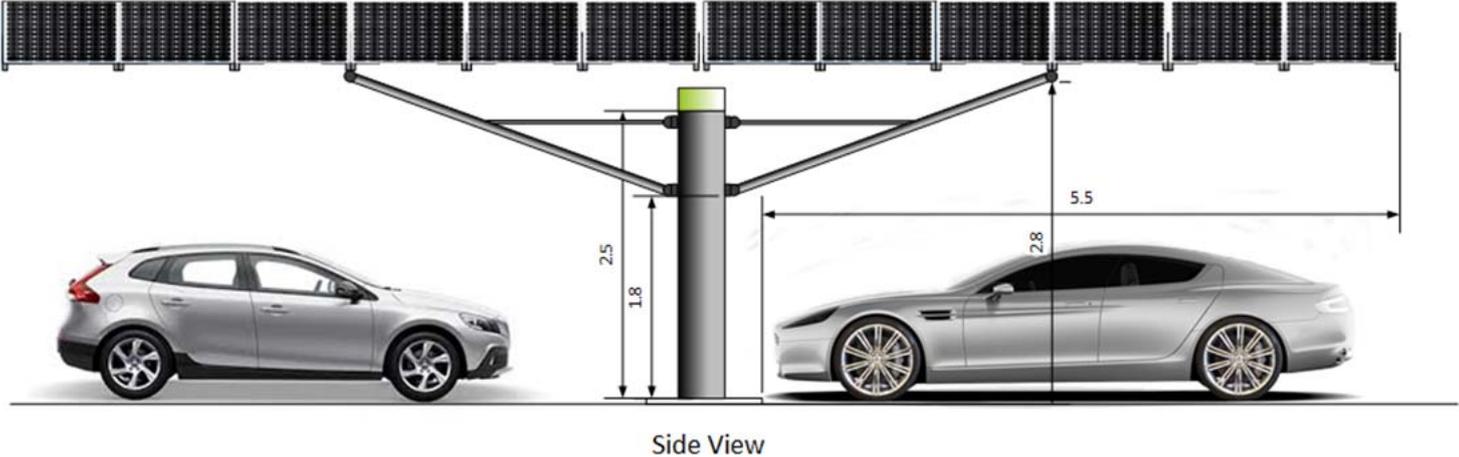
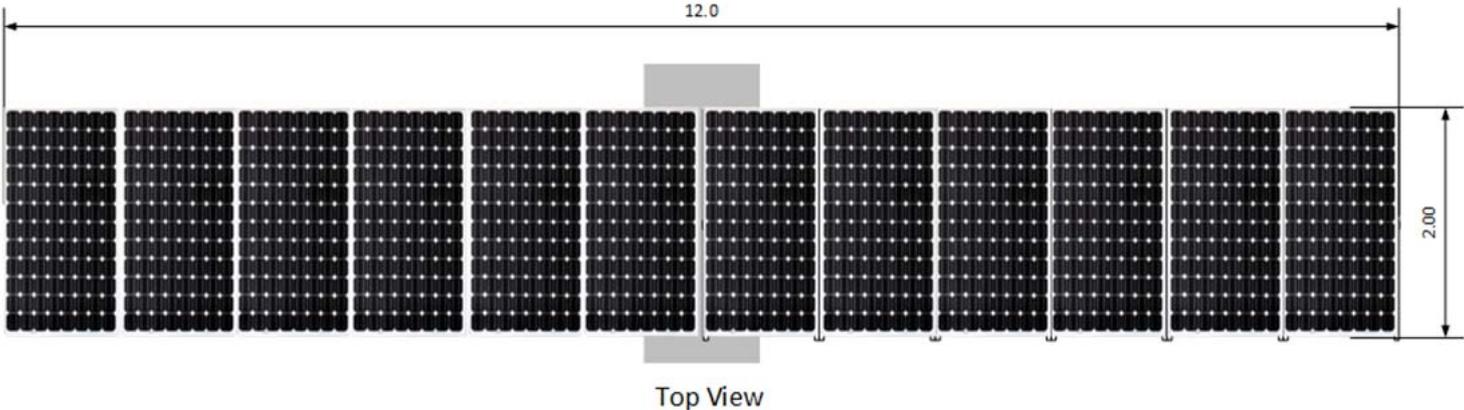
Flexible & Adapted to Your Needs

Built over a 3D platform eParking is designed to be adapted to any parking space, regardless of its orientation, area shape and type of vehicles that will be using the space. Its design allows it to be adjusted in height and tilt in any direction, to make the most out of the available sunlight while giving the most shade. E24 eParking's elegant, modern single pole design is built to reduce clutter and eliminate the chance of collisions.



Single or Double Sided

eParking can be supplied in either single or double sided versions. The double sided version is ideal for applications where it is possible to install a single mast in the middle between 2 parking spots.



Advanced Control Tools



eParking includes an optional cloud-based control and monitoring system, allowing you to visualize all energy data in real time.

E24 Proprietary Control & Monitoring System

E24's proprietary control software optimizes power generation to increase energy efficiency and cost savings,

The control system logs data from solar panels, in addition to data from utilities, loads and optional generators. All data is recorded, and history can be downloaded for analysis, keeping you in control of your energy generation and spending.

E24 Continuous Remote Monitoring

eParking systems are connected to the E24 cloud based monitoring system allowing the technical support team to remotely manage your system and take immediate preventive action in case of anomalies, keeping your investment safe.

Easy integration with Generators

When a power generator is present, it is necessary to control the production of solar energy to avoid reverse power feeding back to the generator or operating it at very low load which causes damages. eParking includes (as of 20KWp) the controls and intelligence that allow it to operate safely in the presence of back-up generators.

Remote Cloud Monitoring

eParking includes a state of the art web management tool allowing you to visualize and closely monitor the sound operation of your energy solution, monitoring energy production and load consumption.

The control system logs data from solar panels, utilities, loads and optional generators. All data is recorded, and history can be downloaded for analysis, keeping you in control of your energy generation and spending.

eParking is connected to the E24 cloud based monitoring system, allowing the technical support team to remotely manage your system and take immediate preventive action in case of anomalies, keeping your investment safe.



E24 Quality Pledge



E24 is the result of 30 years' experience in the field of energy generation, conversion and storage technology. E24 designs and manufactures the most durable, efficient and reliable energy solutions on the market tailored for the most demanding applications and locations around the world.

E24 designs, engineers, manufactures, assembles, tests and delivers its solutions in modular components that are easy and cost-effective to assemble on customer's premises.

E24 commissions its solutions through a network of affiliates or business partners under strict quality standards and procedures to ensure the highest optimal performance and customer's satisfaction.

E24 continuously invests in R&D and develops its own proprietary technology. Each part of the energy solution supplied is optimized to bring the highest customer value.

All solutions are designed to bring a fast and headache-less capital recovery and high return on investment.

E24 Comprehensive Services

Our turnkey approach is what sets us apart. In addition to our complete solutions, we offer a variety of services, allowing you to make the most of your investment:

- **Site Assessment Visits**
- **Energy Saving Analyses**
- **Feasibility Studies**
- **Structural Designs**
- **Multi-Level Training Programs**
- **Commissioning Services**
- **Financing Services**

E24 works closely with its clients to look at all aspects of their energy-related costs and performance, identifying opportunities for improvement and potential to lower overall costs.

E24 also offers a number of financing services allowing customers to pay for their equipment gradually and partially finance their investments from the savings they generate.

With support centers, regional offices, and knowledgeable personnel, E24 brings an uncompromising commitment to customer satisfaction. Our after sales services include:

- **Warranty Extension Programs**
- **Comprehensive Maintenance Programs**
- **Field Service**
- **Overhaul & Refurbishments**
- **E24 certified parts**

Our services are provided by engineers operating from E24 regional offices, allowing customers to benefit from accurate data based on relevant local field experience.

**Our Energy
Consultants are
here to answer
all your questions.**



Energy Storage Solutions



eHome



eVilla



eBuilding



eBusiness



eFactory



eVillage



eTelecom



eGrid

Energy Generation Solutions



eSolar



eHybrid



eParking



eAgri

Comprehensive Energy Solutions

E24's broad portfolio of successfully completed projects ranges across a variety of sectors including Residential, Commercial, Industrial, Telecom and Governmental. We have built our reputation on our client focus and versatility to solve their problems. Our tailored solutions that place the lifestyle and needs of customers at their core. E24 leverages technology as a problem solver and enabler.

It is in this spirit that E24 develops targeted, personalized, seamless energy solutions for homes, villas, businesses, buildings, factories, villages, telecom and utility operators. E24 is constantly working towards enhancing the economics and lifestyle of its customers while saving on the planet.

Ordering Information

Ref. Number	Description
S120-1P-2KI	Solar Parking Solution for 1 Car, Single Phase, 2KWp, 220V, 50/60 Hz
S120-1P-4KI	Solar Parking Solution for 2 Cars, Single Phase, 4KWp, 220V, 50/60 Hz
S120-3P-12KI	Solar Parking Solution for 6 Cars, Three Phases, 12KWp, 220V, 50/60 Hz
S120-3P-19KI	Solar Parking Solution for 10 Cars, Three Phases, 19KWp, 220V, 50/60 Hz
S120-3P-27KI	Solar Parking Solution for 14 Cars, Three Phases, 27KWp, 220V, 50/60 Hz
S120-3P-40KI	Solar Parking Solution for 21 Cars, Three Phases, 40KWp, 220V, 50/60 Hz
S120-3P-58KI	Solar Parking Solution for 30 Cars, Three Phases, 58KWp, 220V, 50/60 Hz
S120-1P-4KI-D	Solar Parking Solution for 2 Cars, Double Type, Single Phase, 4KWp, 220V, 50/60 Hz
S120-3P-12KI-D	Solar Parking Solution for 6 Cars, Double Type, Three Phases, 12KWp, 220V, 50/60 Hz
S120-3P-19KI-D	Solar Parking Solution for 10 Cars, Double Type, Three Phases, 19KWp, 220V, 50/60 Hz
S120-3P-27KI-D	Solar Parking Solution for 14 Cars, Double Type, Three Phases, 27KWp, 220V, 50/60 Hz
S120-3P-58KI-D	Solar Parking Solution for 30 Cars, Double Type, Three Phases, 58KWp, 220V, 50/60 Hz
S120-PCTRL	Lighting and Parking Control for eParking



E24[®]

www.e24solutions.com



ISO 9001:2015



QUALITY STANDARD

