

ClearVue-Helios Solar Carpark

Maximize on-site renewable energy cost efficiently



Low-cost, integrated solar carpark offers sub-4-year payback

METAL-BACKED, FULLY INTEGRATED SOLAR CARPARK SYSTEM DELIVERS UP TO 590WP PER PANEL

ClearVue-Helios now enables commercial, municipal and city facilities to maximize on-site renewable energy generation while adding functional beautification and safety benefits to parking infrastructure using the lightweight, low maintenance solar systems for carpark. ClearVue-Helios panels become the carport rooftop resulting in a lightweight, lower cost and embedded carbon solution that delivers up to 590 Watts peak per panel renewable energy generation and a modern carpark design.



Lightweight and Flexible

The ClearVue metal-backed fully integrated solar carport rooftop weighs as little as 5kg per square metre decreasing embedded carbon and necessary structure for a more modern cantilevered support system.

Short Payback Periods

ClearVue-Helios Solar Carpark solutions turn everyday parking lots into fully functional renewable energy hubs with high-capacity solar generation and payback periods of less than four years.

ClearVue-Helios Solar Carpark Solutions

TURNING CARPORTS INTO RENEWABLE ENERGY HUBS

- at remarkably similar cost to standard non-energy generating carports -

HIGHLIGHTS

- **Lightweight and flexible:** Metal-backed fully integrated solar carport rooftop weighs ~5kg per square metre decreasing embedded carbon and necessary structure for a more modern cantilevered support system.
- **Two-post design:** Deployment system reduces the risk of vehicle damage with two-post design eliminating pillars to run into.
- **Short payback periods:** ClearVue-Helios Solar Carpark solutions can deliver payback periods of less than 4 years before government subsidies.
- **Safety and performance:** The ClearVue-Helios Solar Carpark solution can deliver 220 Watts peak per square metre and has met important certifications including IEC 61730, IEC 61215 and UL790.
- **Weather resistant:** The installations are waterproof, fire-resistant, hail resistant and have no exposed junction boxes or DC cables ensuring a long lifespan.
- **Fast installation:** The preproduction formula and modular design leads to a streamlined installation process.
- **Functional and beautiful:** The ClearVue-Helios Solar Carpark solutions provide protection for vehicles and come in a range of colours.

1-BAY CLEARVUE CARPORT

SYSTEM SIZE (kW)	5.36
ESTIMATED ANNUAL kWh	average 7,000-9,000
PAYBACK TIME (Years)	typically 3-4

6-BAY CLEARVUE CARPORT

SYSTEM SIZE (kW)	32.13
ESTIMATED ANNUAL kWh	average 45,000-54,000
PAYBACK TIME (Years)	typically 3-<4

CERTIFICATIONS

IEC 61730	PV module safety qualification
IEC 61215	Design qualification & type approval
UL 790	BIPV fire tests of roof coverings



COLOUR OPTIONS



Results vary based on installation environment. ClearVue can provide a full project assessment to estimate the likely real world results for your specific project.