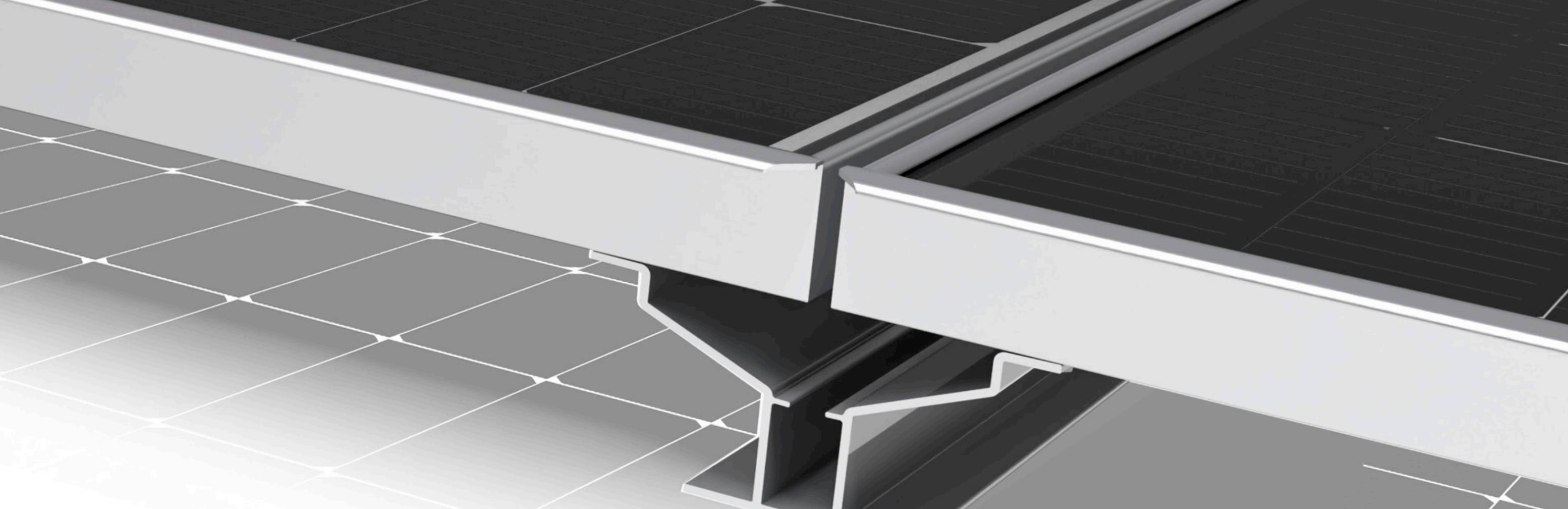


ClearSpan Module System

Waterproof module system optimized for parking deck and carport applications



System Overview

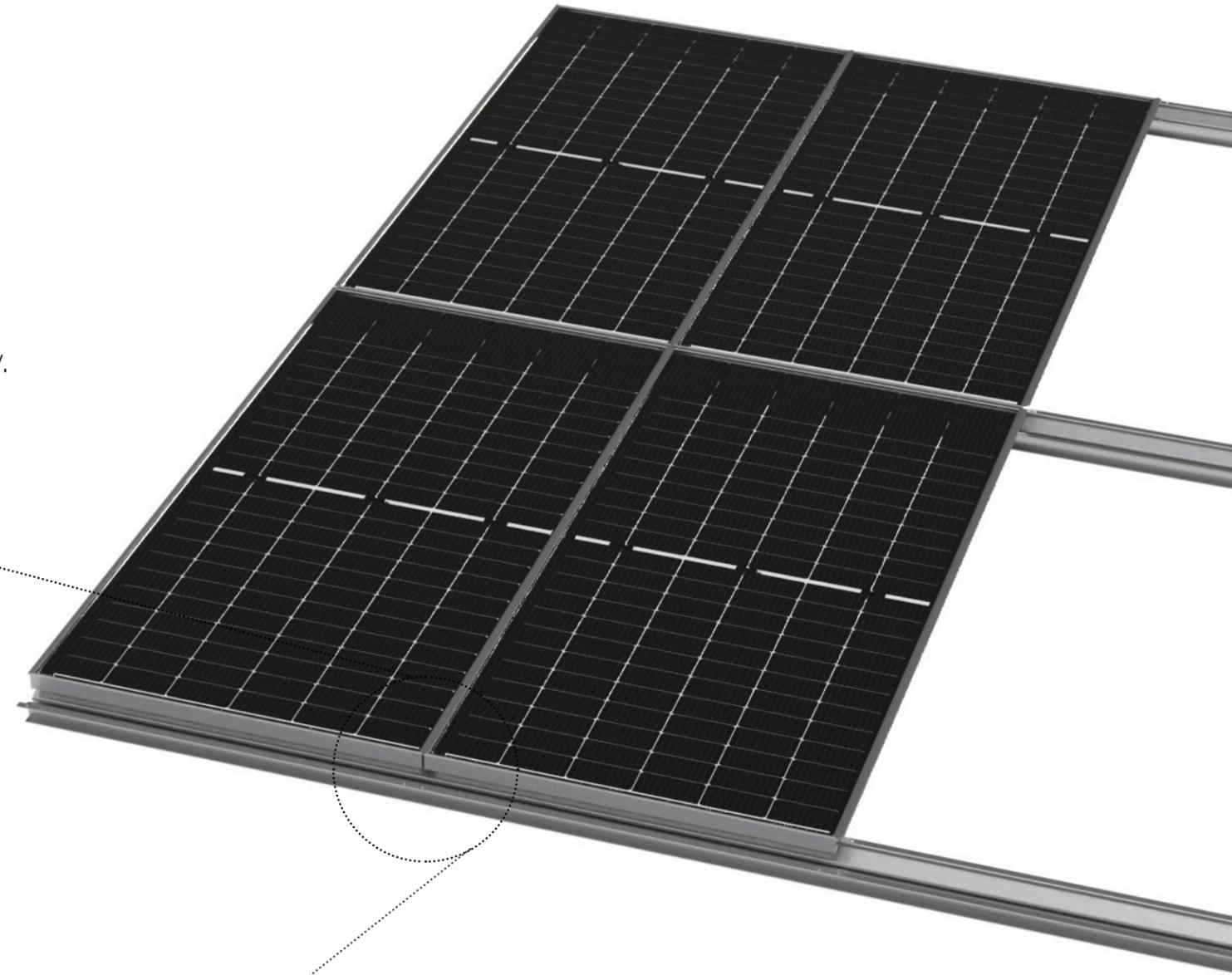
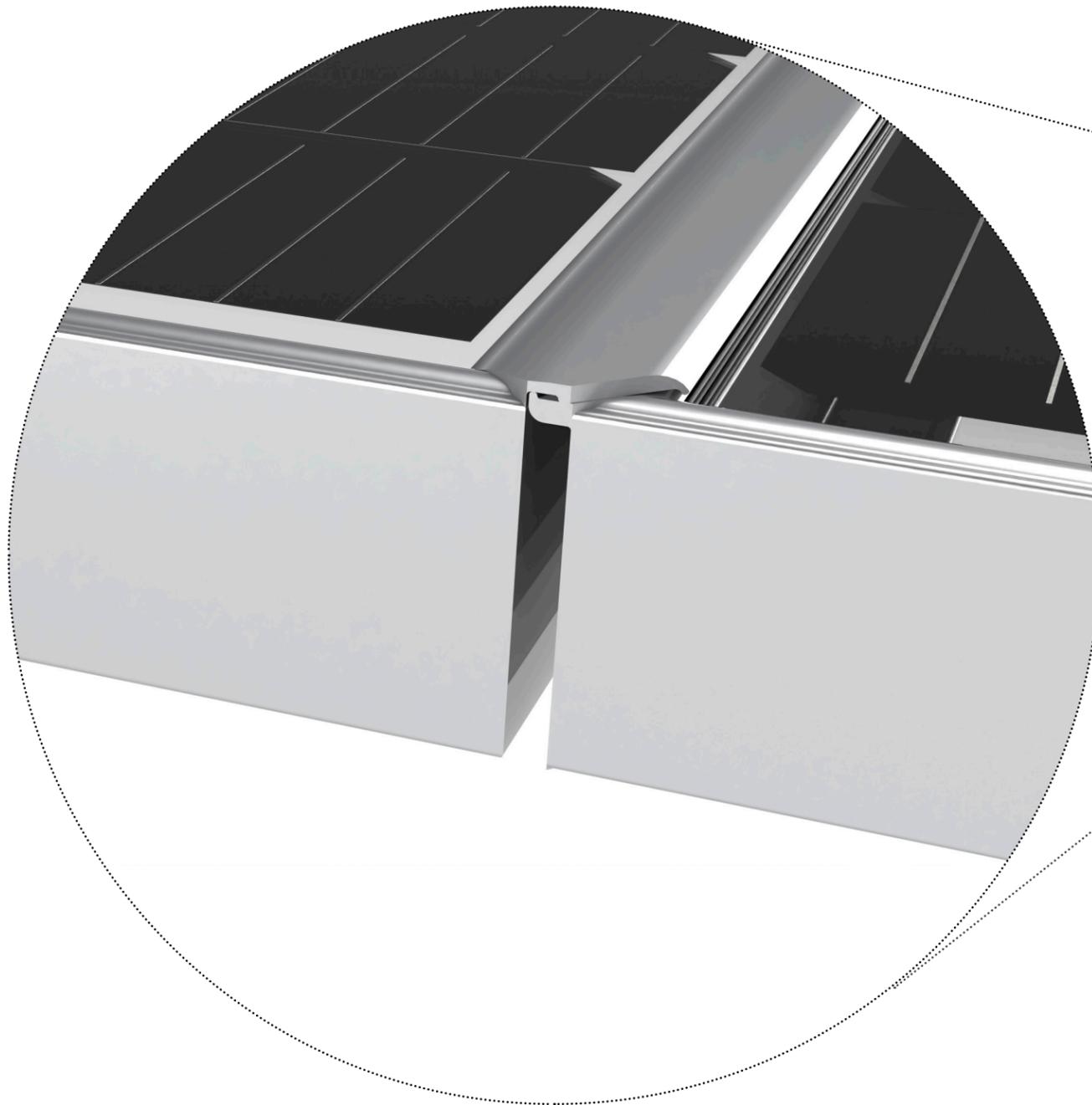
The **Clear**Span Module System was designed from the ground up to be the best solar module solution for parking deck and carport applications. The unique shingled frames of our **CSX** modules with the **Clear**Span Rail create an ultra durable waterproof array that is built to last.

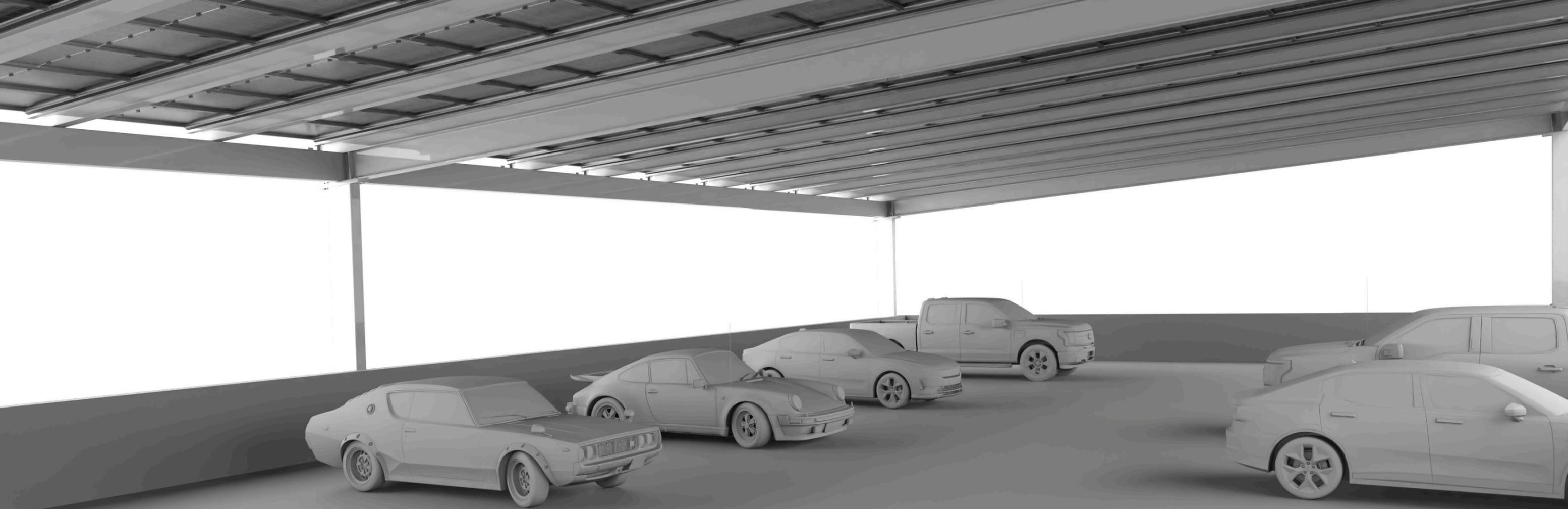
- Waterproof
- Concealed conductors
- Integrated gutter
- Bifacial modules
- Integrated wireway
- Ultra durable glass glass construction

Module Overview

The backbone of the **ClearSpan** Module system is the unique shingled frames of the **CSX** Modules and the **ClearSpan** Rail which is a gutter, wireway and mounting rail in one super clean aluminum profile. The entire system is fastened using flange nuts and bolts through predrilled holes in all components for super fast and secure installation.

ClearSpan was designed, engineered, and manufactured to perform all day, every day.





Parking Deck

Parking decks are the low hanging fruit for overhead solar applications. They are ideal locations for solar since they make the most out of valuable real estate, do not require costly foundations and convert the top level of a parking deck into an energy producing asset and with the **ClearSpan** Module System provide users waterproof, covered parking.

- Integrated gutters
- Surface mounted LED lighting
- Galvanized steel finish



Carport

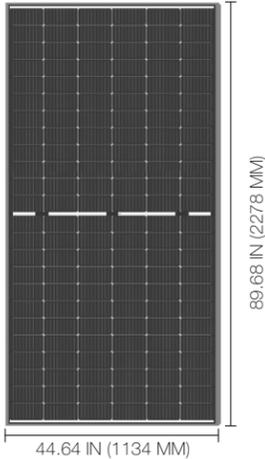
The **ClearSpan** Module System is the perfect solution to create super clean, shady, waterproof solar carports. If you are looking for a streamlined solution that is built to stand the test of time.

- Integrated gutters
- Surface mounted LED lighting
- Galvanized steel finish

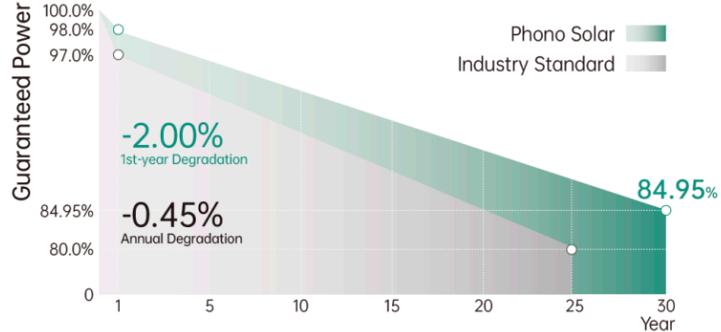
Module Specifications



TEMPERATURE COEFFICIENTS	
NOMINAL OPERATING CELL TEMPERATURE (NOCT)	45±2°C
POWER TEMPERATURE COEFFICIENT (PMPP)	-0.38% / °C
VOLTAGE TEMPERATURE COEFFICIENT (VOC)	-0.30% / °C
CURRENT TEMPERATURE COEFFICIENT (ISC)	-0.05% / °C



CELLS	144
POWER	545W
PEAK POWER VOLTAGE (VMP)	41.67 V
MAXIMUM POWER CURRENT (IMP)	13.32 A
OPEN CIRCUIT VOLTAGE (VOC)	49.89 V
SHORT CIRCUIT CURRENT (ISC)	14.03 A
MODULE EFFICIENCY	21.48%
OPERATING TEMPERATURE	- 40°C TO 85°C
MAXIMUM SYSTEM VOLTAGE	DC 1000V/1500V
MAXIMUM TYPE FUSE RATING	20 A
POWER TOLERANCE	- 0/+5W
SOLAR CELL	MONOCRYSTALLINE BIFACIAL 7.1" X 3.5" (182 MM X 91 MM)
CELL LAYOUT	6 X 24
MODULE DIMENSIONS	89.68 IN X 44.64 IN X 1.99 IN (2134 MM X 1078.85 MM X 50.546 MM)
MODULE AREA	27.8 FT ² (2.5M ²)
FRONT / BACK GLASS	2.0MM/2.00MM TOUGHENED GLASS
MODULE WEIGHT	70.54 LBS (32.0 KG)
FRAME	ANODIZED ALUMINIUM ALLOY
STATIC LOAD	MAX FRONT SIDE 5400PA, MAX REAR SIDE 2400PA
OUTPUT CABLES	LEAD LENGTH 450MM STAUBLI MC4 CONNECTORS
FIRE RATING	C (IEC61730)
CERTIFICATIONS	IEC 61215, IEC 61730
WARRANTY	12 YEAR PRODUCT WARRANTY / 30 YEAR LINEAR PERFORMANCE WARRANTY



12-year
Product Warranty

30-year
Linear Performance Warranty

