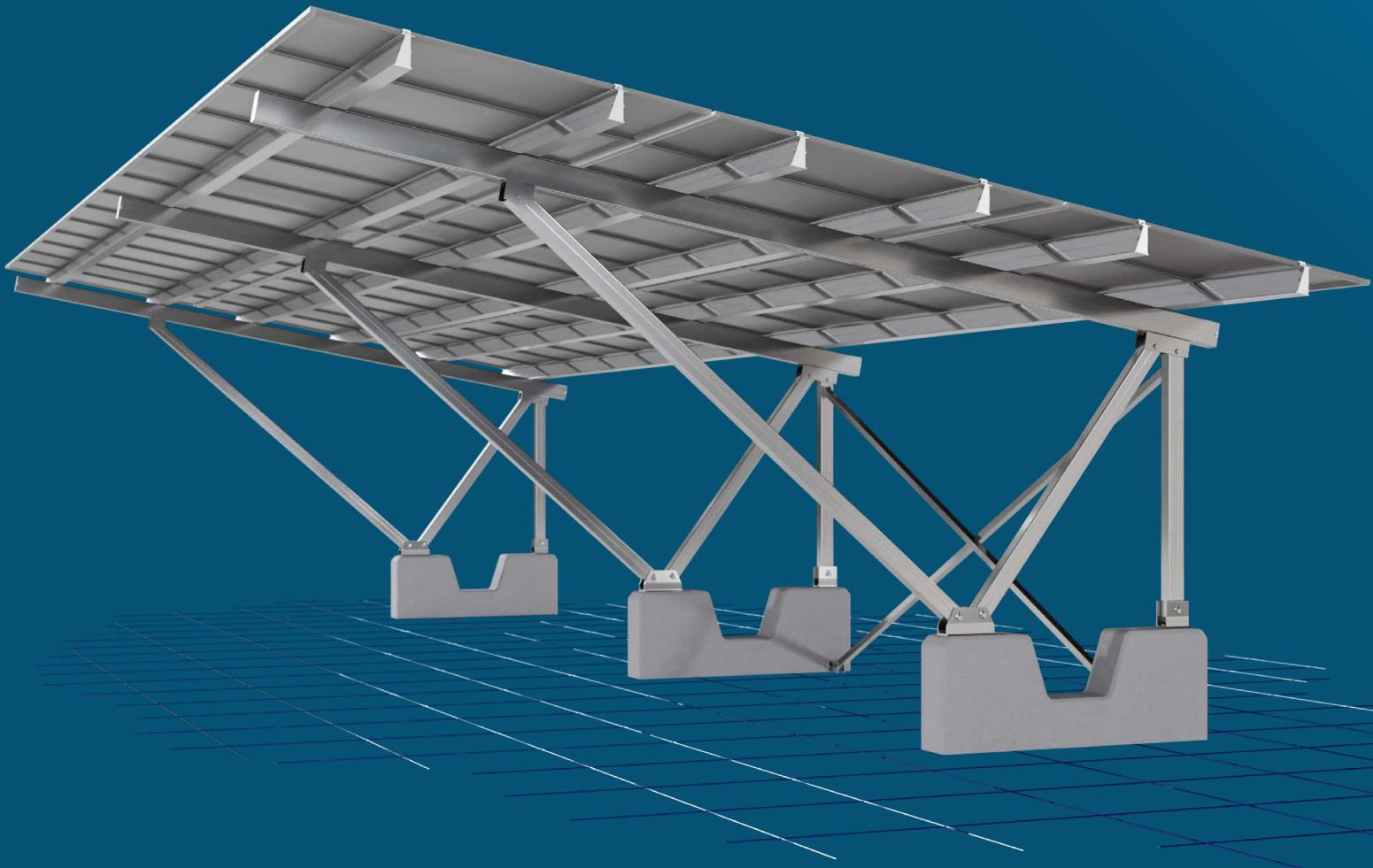


Discover innovative carport structures engineered to support the solar revolution with efficiency, durability, and ease of installation. At Lumax Energy, we offer a diverse range of carport solutions tailored to meet your specific needs, whether it's maximizing space, minimizing vehicle interference, or ensuring resilience in high-traffic zones.

# CARPORT STRUCTURES

### **Easy Installation**

Our carport structures, featuring steel I-beams / H-frames, ensure swift assembly with minimal equipment.



### **Versatile Application**

With portrait and landscape module orientations, our carports offer flexibility in panel layouts and inclinations to suit diverse project requirements.



**SINGLE ACCESS: 0 - 10 DEGREES**  
**DOUBLE ACCESS: 0 - 8 DEGREES**

## Carports **ALU-MAX I-BEAM**

Introducing Lumax Energy's Alu-max I-beam, designed for easy installation and versatile application in carports. With quick installation time and minimal equipment required, it offers flexibility for both portrait and landscape module orientations. Supporting various module layouts and inclinations, it provides ample support spacing and anchoring options.

Constructed from high-quality materials and engineered for portability, this solar carport structure ensures durability and ease of assembly, blending budget-friendly pricing with ergonomic design. With a standard 10-year warranty, it meets stringent structural loading and design standards for reliable performance.



# CHARACTERISTICS



## Module Orientation

Portrait (preferred / cost-effective) and landscape



## Module Layout

**Portrait:** 3V panels (single access)

**Portrait:** 5V panels (double access)

**Landscape:** 4H - 5H panels (single access)

**Landscape:** 8H - 9H panels (double access)

Custom



## Anchoring Method

- Chemical anchor, M16 rods, fixations, and typical foundation designs are provided
- Pre-cast / foundations are not provided



## Warranty

10 years standard



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**SINGLE ACCESS: 0 - 10 DEGREES**  
**DOUBLE ACCESS: 0 - 8 DEGREES**

## Carports **H-MAX**

Lumax's H-MAX Cantilever Carport is designed for easy installation and durability. The steel H-Frame enables quick setup with minimal equipment required, ideal for carport applications. Available in portrait or landscape orientation, with customizable module layouts and inclinations, it offers versatility to suit various parking needs.

Engineered for wind resilience and ergonomic design, H-MAX ensures minimal vehicle interference and superior strength against wind loads. With high-quality materials, it provides reliable protection for your vehicles while enhancing outdoor spaces.



# CHARACTERISTICS



## Module Orientation

Portrait (preferred / cost-effective) and landscape



## Module Layout

**Portrait:** 3V panels (single access)

**Portrait:** 5V panels (double access)

**Landscape:** 4H - 5H panels (single access)

**Landscape:** 8H - 9H panels (double access)

Custom



## Anchoring Method

- Chemical anchor, M16 rods, fixations, and typical foundation designs are provided
- Pre-cast / foundations are not provided

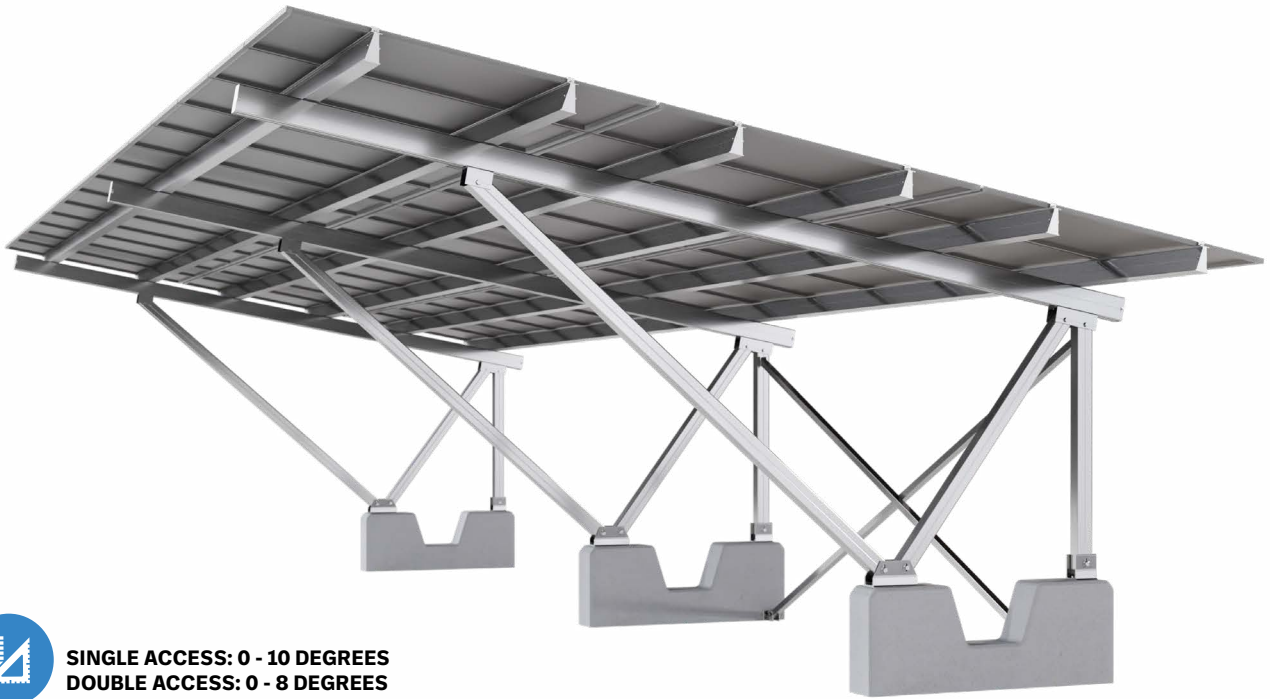


## Warranty

10 years standard



Click or scan for full TDS



**SINGLE ACCESS: 0 - 10 DEGREES**  
**DOUBLE ACCESS: 0 - 8 DEGREES**

## Carports **ALU-MAX PRE-CAST**

Lumax's Alu-Max Pre-Cast Cantilever Carport is engineered for resilience in high-traffic zones to minimize structural damage from accidental impacts. Ideal for carport applications, it accommodates various module orientations and layouts, offering flexibility in installation.

With a focus on portability and practical comfort, this solar carport structure sets new standards for on-site installation agility while providing practical pricing and ergonomic design for user convenience.



# CHARACTERISTICS



## Module Orientation

Portrait (preferred / cost-effective) and landscape



## Module Layout

**Portrait:** 3V panels (single access)

**Portrait:** 5V panels (double access)

**Landscape:** 4H - 5H panels (single access)

**Landscape:** 8H - 9H panels (double access)

Custom



## Anchoring Method

- Reinforcing bars from foundation tie into pre-cast base
- M16 hex bolts used to fasten supports onto pre-cast base
- Fixations and typical foundation designs are provided
- Pre-cast base is provided



## Warranty

10 years standard



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EAST-WEST: 0 - 10 DEGREES

## Carports **CONTINUOUS EAST-WEST**

Lumax Energy's Continuous East-West Carport is engineered for optimal density, maximizing solar coverage above parking areas. With customizable module orientations and layouts, including portrait and landscape options, it offers versatile installation possibilities.

Engineered with durability in mind, our aluminum structures withstand the test of time and elements, providing a reliable solar solution for years to come.



# CHARACTERISTICS



## Module Orientation

Portrait (preferred / cost-effective) and landscape



## Module Layout

**Portrait:** 3V panels (per side)

**Landscape:** 4H - 5H panels (single access)

Custom



## Anchoring Method

- Chemical anchor, M16 rods, fixations, and typical foundation designs are provided
- Pre-cast / foundations are not provided



## Warranty

10 years standard



Click or scan for full TDS



**SINGLE ACCESS: 0 - 10 DEGREES**  
**DOUBLE ACCESS: 0 - 8 DEGREES**

## Carports **ECONO-MAX**

Lumax's Econo-Max offers a cost-effective solution for solar carports, designed to enhance your solar investment. It accommodates both portrait and landscape module orientations, providing flexibility for various panel layouts and inclinations. With customizable options available, it seamlessly integrates with different architectural designs.

Crafted from high-quality materials, including aluminum purlins and rafters, and I-beam columns, the structure ensures long-term performance. With its straightforward design and durable construction, the Econo-Max carport structure offers an economical and reliable solution for sustainable energy generation.



# CHARACTERISTICS



## Module Orientation

Portrait (preferred / cost-effective) and landscape



## Module Layout

**Portrait:** 3V panels (single access)

**Portrait:** 5V panels (double access)

**Landscape:** 4H - 5H panels (single access)

**Landscape:** 8H - 9H panels (double access)

Custom



## Anchoring Method

- Chemical anchor, M16 rods, fixations, and typical foundation designs are provided
- Pre-cast / foundations are not provided

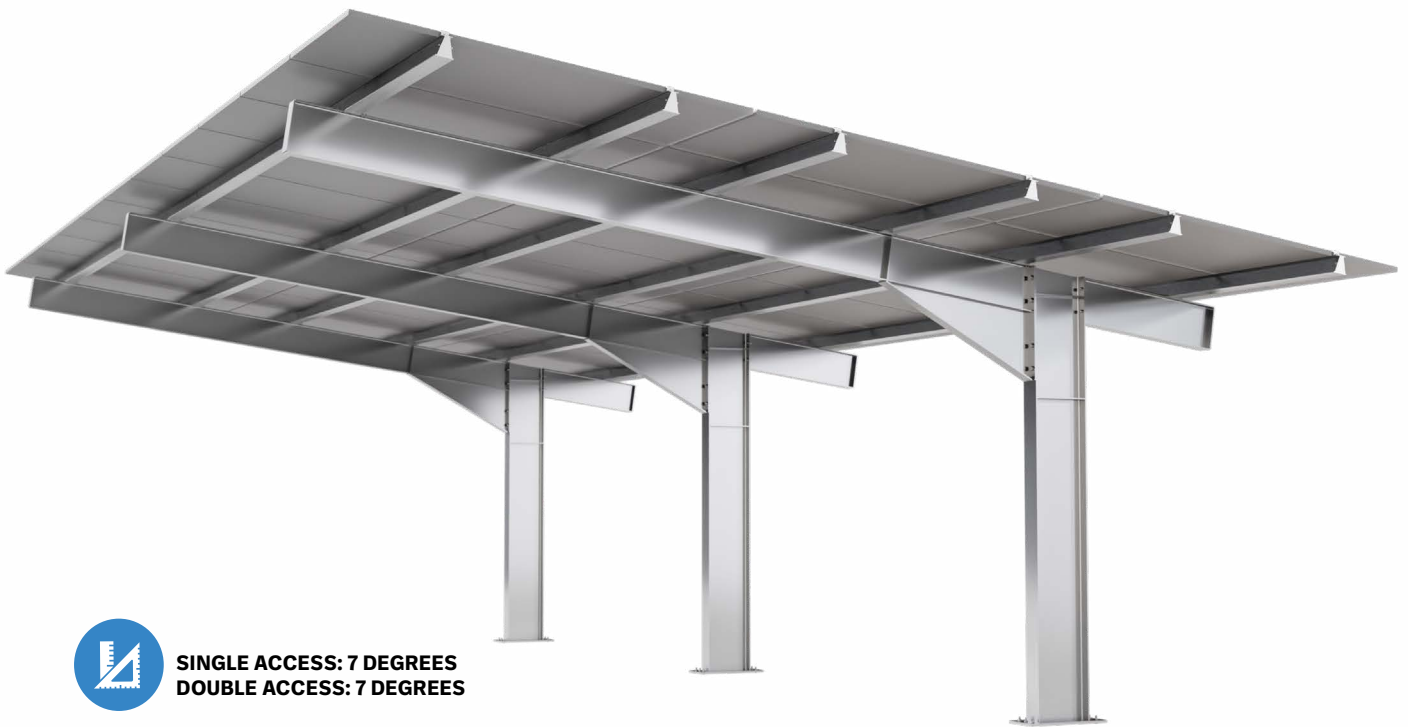


## Warranty

10 years standard



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**SINGLE ACCESS: 7 DEGREES**  
**DOUBLE ACCESS: 7 DEGREES**

## Carports **ERGO-MAX**

Lumax's Ergo-Max Pre-Cast Cantilever Carport stands out as a premier parking solution, boasting an innovative blend of ergonomic design and easy installation. With its versatile module orientations and robust structure, featuring pre-cast columns and steel rafters, this carport ensures durability and stability in high-traffic areas.

Additionally, with the option for up to 90% local content, it provides both reliability and sustainability for your parking needs, making it an ideal choice for commercial and residential applications alike.



# CHARACTERISTICS



## Module Orientation

Portrait (preferred / cost-effective) and landscape



## Module Layout

**Portrait:** 3V panels (single access)

**Portrait:** 5V panels (double access)

**Landscape:** 4H - 5H panels (single access)

**Landscape:** 8H - 9H panels (double access)

Custom



## Anchoring Method

- M24 holding down bolts connect to the baseplate of the pre-cast column
- M24 holding down bolts, fixations, and typical foundation designs are provided
- Pre-cast columns are provided



## Warranty

10 years standard



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