



Fully Sealed Waterproof Motorized Aluminum Louvered Pergola 30cm Snow Load CE Certified European Villa Garden Patio

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Oasis
- Certification: CE, ROHS
- Model Number: V22-EU
- Minimum Order Quantity: 1 set
- Price: 150-200 USD/sq.meter
- Packaging Details: Rigid carton with plywood reinforcement, EPE foam protection for aluminum profiles
- Delivery Time: 15-25 working days
- Payment Terms: T/T,L/C at sight
- Supply Ability: 3000 sq.meter per month



Product Specification

- Highlight: fully sealed waterproof louvered pergola, snow load rated aluminum pergola, CE certified motorized patio cover

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Product Description

The Oasis V22-EU Fully Sealed Waterproof Motorized Aluminum Louvered Pergola is purpose-built for the demanding European climate. From Scandinavian snowfalls to Mediterranean downpours, this pergola delivers uncompromising weather protection through its patented fully sealed louver blade system. Each blade is integrated with EPDM rubber sealing strips on all four sides, creating a complete waterproof barrier that channels rainwater through a concealed drainage network embedded within the gutter, posts, and base outlets. Engineered to support a 30cm snow load capacity, the reinforced 6063-T5 aluminum frame ensures structural integrity while maintaining a sleek modern aesthetic suitable for luxury villas, boutique hotels, and high-end residential gardens across Europe.

Key Features

- Patented Fully Sealed Waterproof System:** EPDM rubber strips bonded to all four edges of every louver blade create a 100% waterproof seal. Rainwater is routed through integrated blade gutters into 123mm x 170mm side channels and discharged via concealed post outlets, keeping the space beneath completely dry during heavy rainfall exceeding 0.05 l/s/m2 intensity.
- 30cm Snow Load Capacity:** The heavy-duty 6063-T5 aluminum alloy frame, featuring 150mm x 150mm posts at 2.5mm wall thickness and 180mm x 43mm louvers at 1.6mm, is structurally rated to bear up to 30cm of accumulated snow. This exceeds typical European winter requirements, ensuring year-round reliability from the Alps to Nordic regions.
- CE and ROHS Certified Motor System:** Equipped with Dooya or A-OK branded tubular motors that carry CE, ROHS, TUV, UL, and SGS certifications. The motor smoothly adjusts louver angles from 0 to 100 degrees via remote control, with a 2-year dedicated warranty on all motor components for complete peace of mind.
- Hidden 6000K LED Lighting:** Soft white 6000K LED strips are recessed into the louver blade profiles, providing glare-free ambient illumination after sunset. The lights are remote-controlled independently, transforming the pergola into an elegant evening entertainment space without visible wiring or fixtures.
- Wind Resistance up to 110 km/h:** The robust aluminum post-and-beam architecture combined with precision-engineered louver blade profiles withstands wind speeds of up to 110 km/h. This level of wind resistance meets structural safety standards required for exposed outdoor installations in coastal and high-altitude European locations.
- UV-Resistant Powder Coating Finish:** Multiple layers of architectural-grade powder coating provide durable protection against UV radiation, salt spray, and industrial pollutants. Available in Dark Grey, White, or fully customized RAL colors to match any architectural specification or design preference.
- Flexible Installation Configurations:** Supports freestanding, wall-mounted, and spliced multi-unit installations, accommodating diverse site conditions from rooftop terraces to expansive garden settings. Comprehensive installation manuals and video guidance are provided with every order.

Technical Specifications

Parameter	Specification
Material	6063-T5 Aluminum Alloy
Louver Blade Dimensions	180mm x 43mm x 1.6mm
Post Dimensions	150mm x 150mm x 2.5mm
Gutter Dimensions	123mm x 170mm x 2.1mm
Snow Load Capacity	30cm thickness
Wind Resistance Rating	110 km/h
Waterproof Sealing	EPDM rubber strips, fully sealed 4-edge
Louver Angle Range	0 - 100 degrees
Motor Brand	Dooya / A-OK (CE, ROHS, TUV, UL, SGS)
LED Lighting	6000K white, hidden installation, remote controlled
Surface Finish	UV-resistant powder coating
Available Colors	Dark Grey, White, Custom RAL
Certifications	CE, ROHS
Warranty	1 year whole set, 2 years motor

Applications

Northern Europe — 30cm snow load rating supports year-round use for garden restaurants, hotel terraces, and residential patios through harsh winters.

Western Europe — Fully sealed waterproof design eliminates rain disruptions for cafe terraces and beer gardens in Germany, France, and the Netherlands.

UK & Ireland — Integrated drainage plus 110 km/h wind resistance outperforms fabric awnings in persistent drizzle and coastal gusts.

Southern Europe — Powder-coated aluminum finish complements Mediterranean villa aesthetics while handling unpredictable seasonal storms.

Packaging and Quality Assurance

Every V22-EU pergola is packed with industrial-grade protection: rigid corrugated cartons reinforced with external plywood panels, and EPE foam cushioning around each aluminum profile to prevent transit damage. All hardware, motor components, LED strips, and remote controls are individually wrapped and sealed in moisture-resistant packaging. Before dispatch, each pergola undergoes a comprehensive quality inspection including frame dimension verification, motor operation testing, LED functionality check, and waterproof seal integrity assessment. We provide detailed assembly instructions with exploded-view diagrams, video installation guides, and responsive after-sales technical support. With a 1-year comprehensive warranty on the complete structure and a 2-year extended warranty on all motor components, our commitment to European quality standards is backed by over 27 years of specialized manufacturing expertise in outdoor shading solutions.



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