

Innovative Carport MSK & MSD-Series

Light weight and High-intensity 3D plated truss structure.



▶ Product video



SCN-Series

Strong for stormy wind and heavy snow.



Manufacturer:

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SankyoAlumi-Company

Exterior Division Home Material Department

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Homepage: <http://www.exteriorworld.jp/english/>



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E-mail : sales@toyoboeki.co.jp

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<http://www.carport-japan.jp>



ISO 9001
ISO 14001



OS/EMCA
RQ 2063, RE 0695

(Registration range) <http://www.exteriorworld.jp/english/>

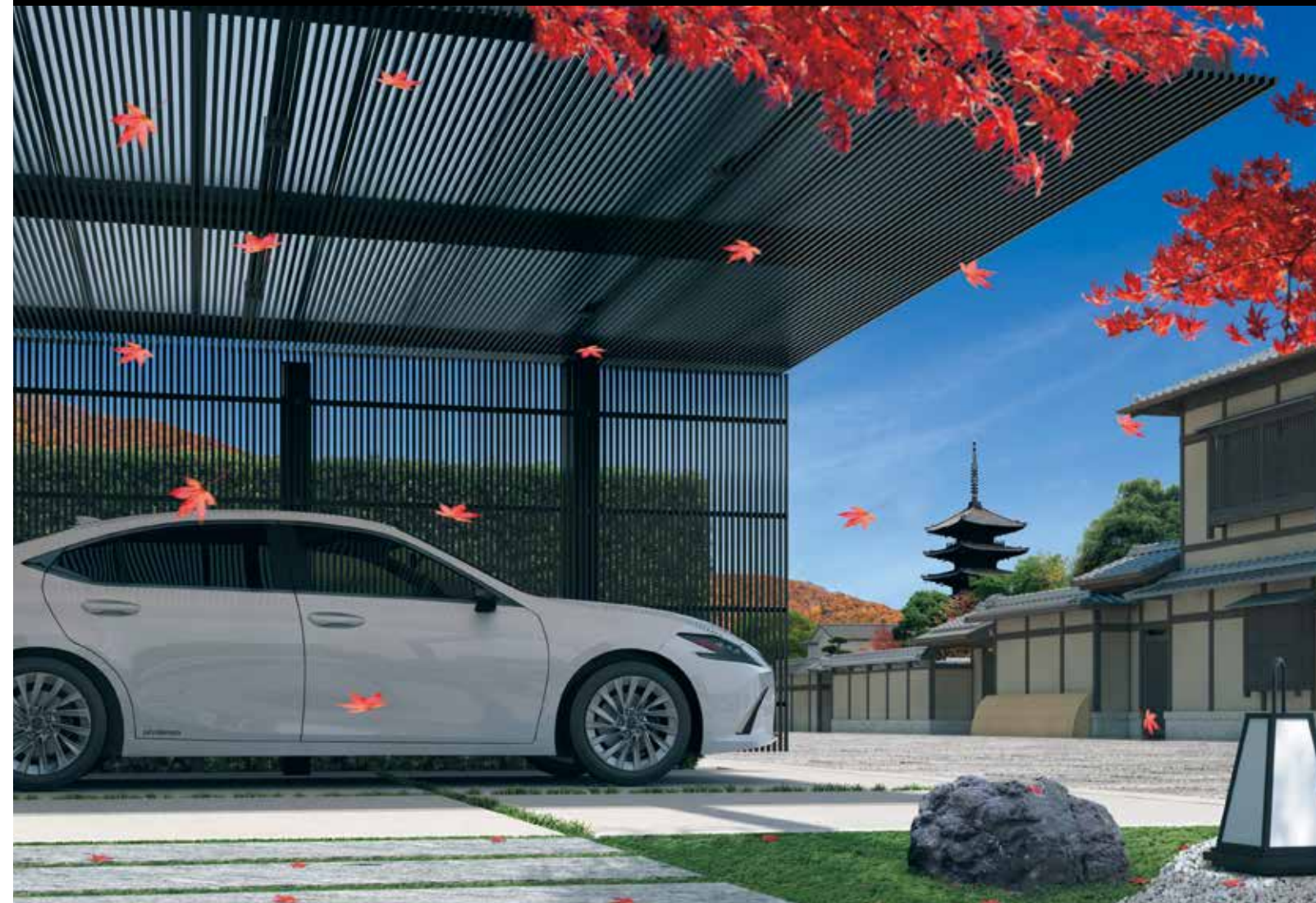


Catalog No.
STX1638A
X.22.04-100

Printed in Japan

SankyoTateyama

Aluminum Exterior Products Series Catalog



Made in Japan



Perfect for parking space and entertaining areas
Architecturally designed for style and function

Premium Focus

No one desires inferior products. No one desires continual maintenance costs for products they've already paid for either. This is why we only use premium quality materials to deliver premium quality results.

Carport

► P.3



PJR-Series



PJF-Series



MLR-Series



LJF-Series



VR/VRS-Series



VD/VDS-Series



RSC/RSZ-Series



ATLD-Series



USN-Series



SKC-Series



KWC-Series



KLB/KLBS-Series

Terrace & Patio Covers

► P.29



TR-Series



TF-Series

Entry Gate & Tall Gate

► P.33



MCE-Series

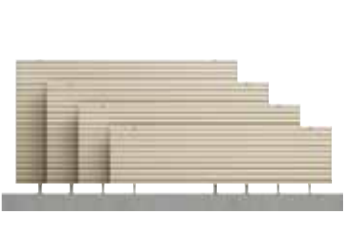


Boundary Fence and Tall Fence

► P.35



CEF-Series



Non-Caster Accordion Gates

► P.37



HGN-Series



PORT VARIATION

Designed Port well harmonized design and function.

Many size variations for various spaces and lifestyles.
Strong components and high resistance for wind and snow.
Easy installation and maintenance.



PJR-Series



Carport for various lifestyles with excellent performance.

► P.5

OPTION
Snow load resistance
SNOW 900 N/m²

Snow load resistance
SNOW 600 N/m²

Wind pressure resistance
WIND 38 m/s

Wind pressure resistance
WIND 42 m/s

PJR

PJF-Series



Refined simple & flat design.

► P.7

OPTION
Snow load resistance
SNOW 900 N/m²

Snow load resistance
SNOW 600 N/m²

Wind pressure resistance
WIND 38 m/s

PJF

MLR-Series



Port with risers with reversed roof-slope option.

► P.11

OPTION
Snow load resistance
SNOW 900 N/m²

Snow load resistance
SNOW 600 N/m²

Wind pressure resistance
WIND 38 m/s

MLR

LJF-Series



Redesigned open roof structure delivers beauty and strength.

► P.13

Snow load resistance
SNOW 600 N/m²

Snow load resistance
SNOW 900 N/m²

Wind pressure resistance
WIND 38 m/s

Wind pressure resistance
WIND 42 m/s

Wind pressure resistance
WIND 46 m/s

LJF

VR/VRS-Series



Higher grade model for wind and snow.

► P.15

Snow load resistance
SNOW 900 N/m²

Snow load resistance
SNOW 1500 N/m²

Wind pressure resistance
WIND 38 m/s

Wind pressure resistance
WIND 42 m/s

Wind pressure resistance
WIND 46 m/s

VR/VRS

VD/VDS-Series



Beautiful curved edge protects your car from wind and snow.

► P.16

Snow load resistance
SNOW 900 N/m²

Snow load resistance
SNOW 1500 N/m²

Wind pressure resistance
WIND 38 m/s

Wind pressure resistance
WIND 42 m/s

VD/VDS

RSC/RSZ-Series



Front open, a clear view and easy access for parking.

► P.17

Snow load resistance
SNOW 600 N/m²

Snow load resistance
SNOW 900 N/m²

Wind pressure resistance
WIND 38 m/s

RSC/RSZ

ATLD-Series



Strong structure and beautiful design improves quality living.

► P.19

Snow load resistance
SNOW 450 N/m²

Wind pressure resistance
WIND 46 m/s

ATLD

USN-Series



Entrance / Carport system creates the perfect entrance space.

► P.21

Snow load resistance
SNOW 600 N/m²

Snow load resistance
SNOW 1500 N/m²

Wind pressure resistance
WIND 38 m/s

Wind pressure resistance
WIND 42 m/s

Wind pressure resistance
WIND 46 m/s

USN

SKC-Series



Sophisticated flat carport with a focus on strength and design.

► P.23

Snow load resistance
SNOW 900 N/m²

Snow load resistance
SNOW 3000 N/m²

Wind pressure resistance
WIND 34 m/s

Wind pressure resistance
WIND 50 m/s

Wind pressure resistance
WIND 56 m/s

SKC

KWC-Series



Cantilever design with deep projection.
Post can be positioned on side or back.

► P.25

Snow load resistance
SNOW 600 N/m²

Wind pressure resistance
WIND 38 m/s

KWC

KLB/KLBS-Series



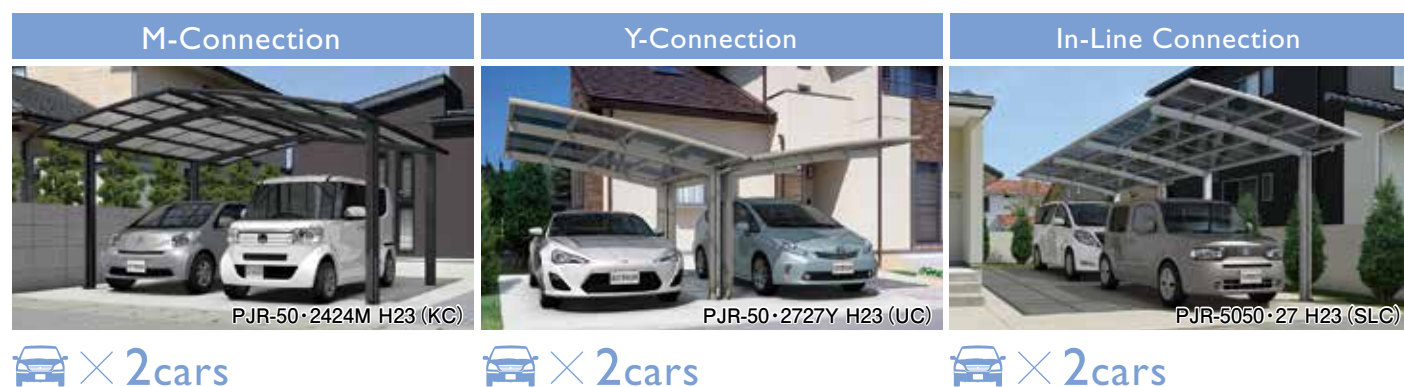
Small port with side panels for EV charger or bicycles.

► P.26

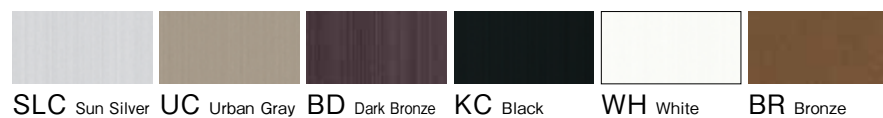
Snow load resistance
SNOW 600 N/m²

Snow load resistance
SNOW 1500 N/m²

KLB/KLBS



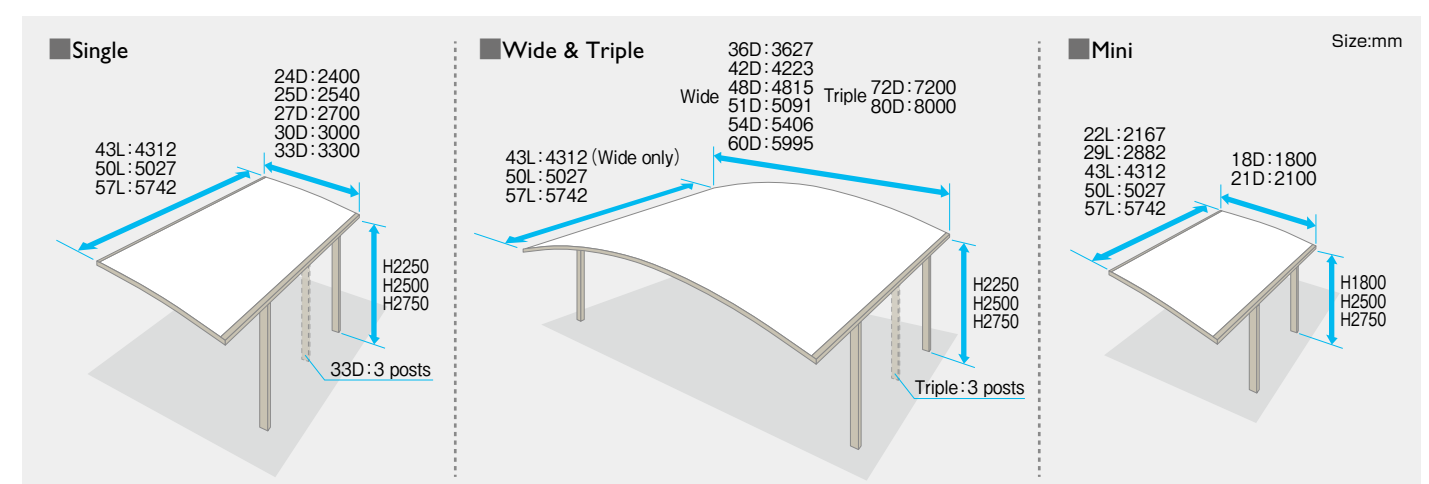
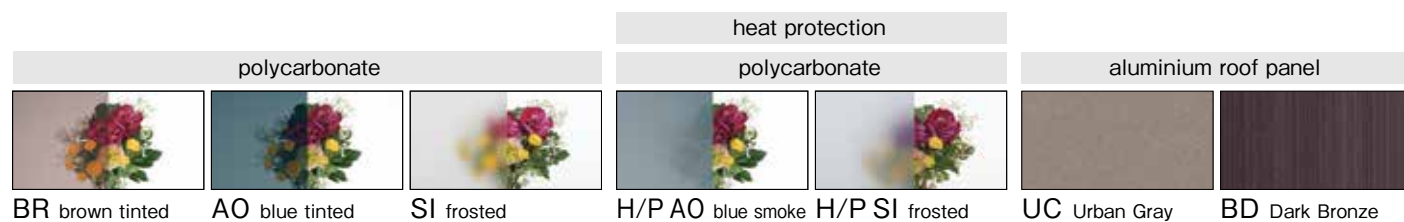
ALUMINIUM COLOR



STRENGTH



ROOF COLOR





Single Basic
 × 1 car

PJF-5127 H25 (UC)



Single Basic 33D
 × 1 car

PJF-5133 H25 (KC)



 × 1 car

 × 2 cars

 × 2 cars

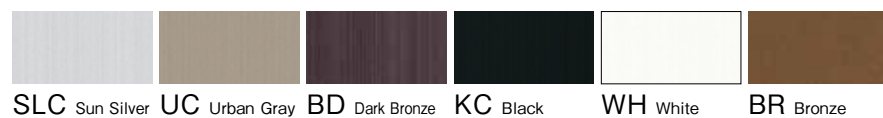


 × 2 cars

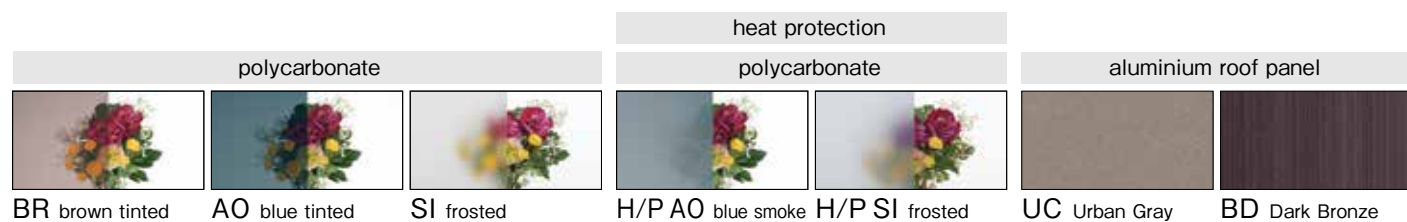
 × 1 car + 



ALUMINIUM COLOR



ROOF COLOR

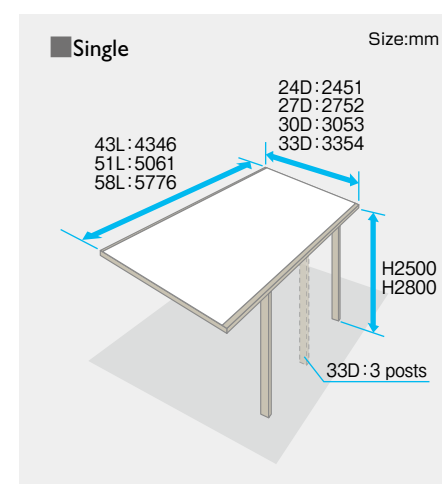


STRENGTH



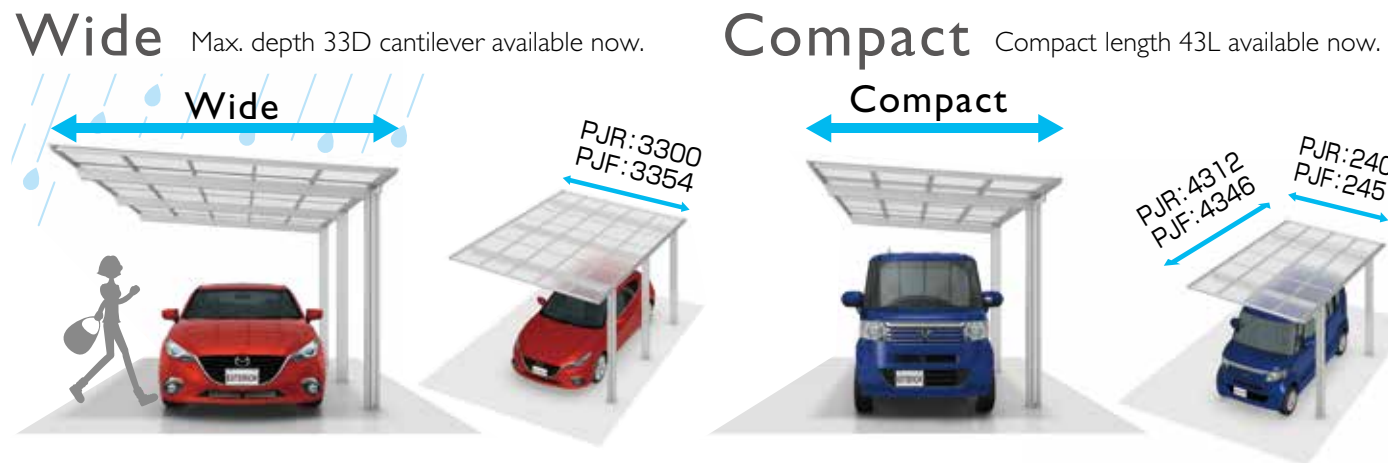
DESIGN

FLAT ROOF DESIGN Simple & Stylish Form

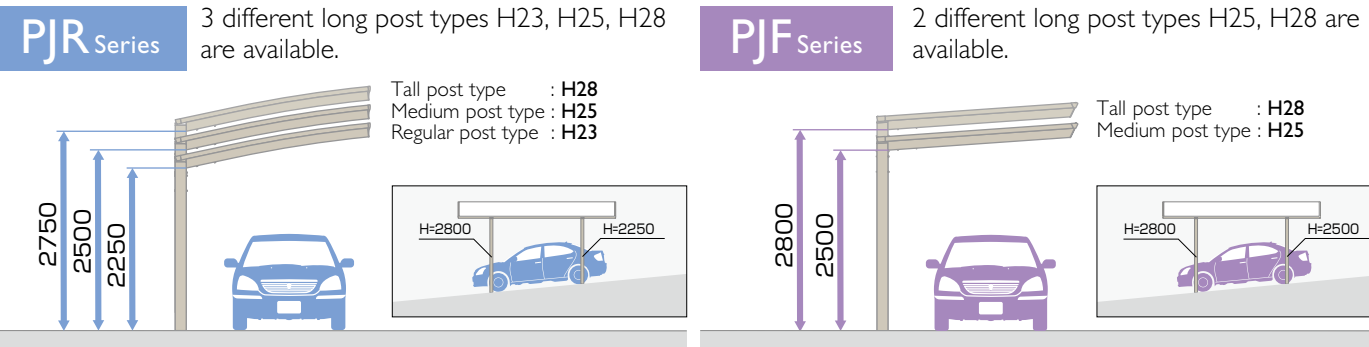


PJR & PJF Series Common Features

Size



Post Type

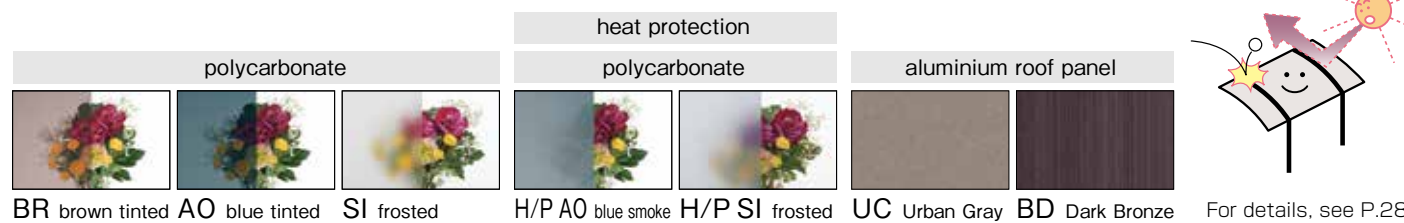


ALUMINIUM COLOR

6color variations to match the style of your home.

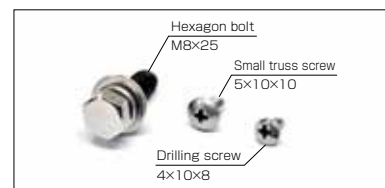


ROOF COLOR



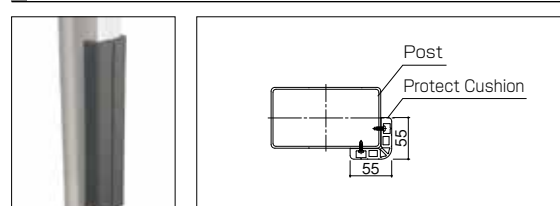
Locking Bolt

Common Screws



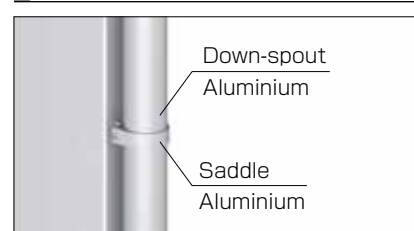
3 types of screws help save time during installation.

Protect Cushion



The picture shows 2pcs setting. The rubber cushion protects car-door and post while getting in/out the car.

Aluminium Down-spout



Aluminium rain gutter and saddle.

PJR & PJF Series Side-panel Options

Side Panel

PJR Series



Notes-1 Not available for ports with tall posts H28 (H=2.8m).
Notes-2 Requires an additional support post for side panels higher than H800, and panel support to achieve higher wind rating.

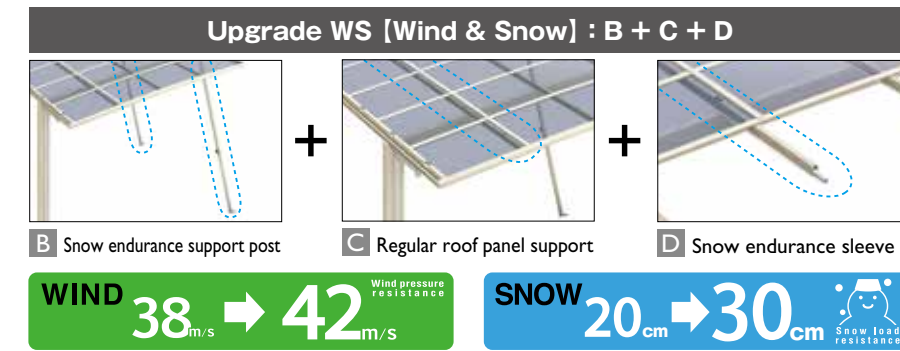
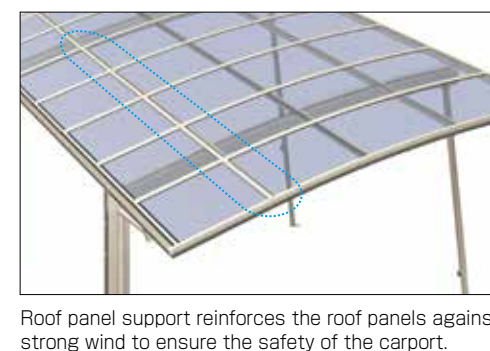
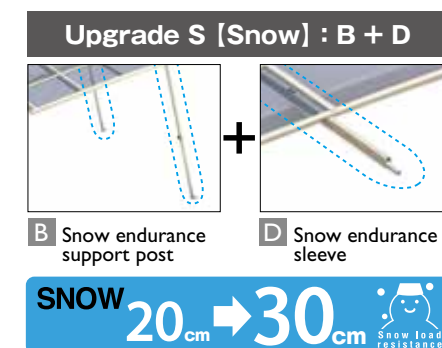
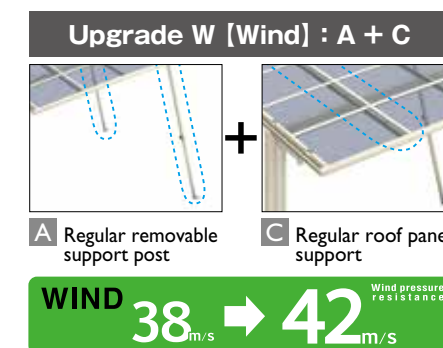
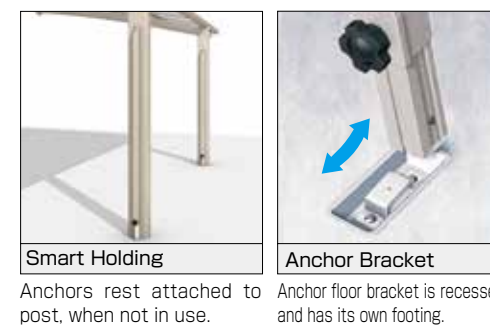
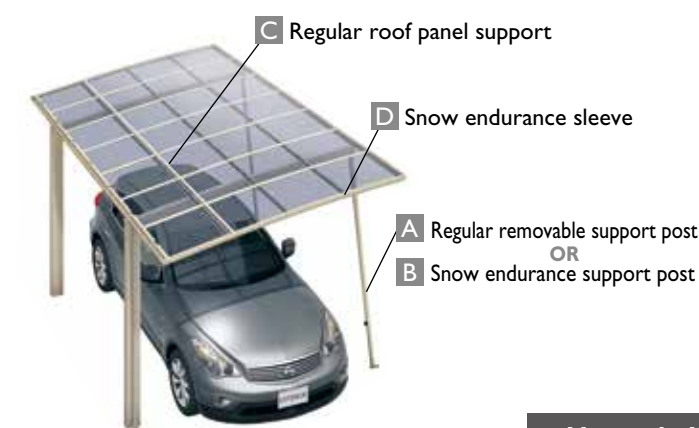
PJF Series

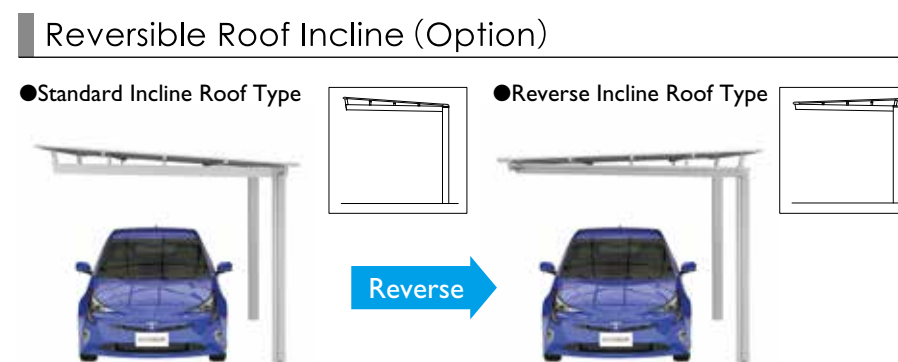


Notes-1 Not available for ports with tall posts H28 (H=2.8m).
Notes-2 Requires an additional support post for side panels higher than H800, and panel support to achieve higher wind rating.

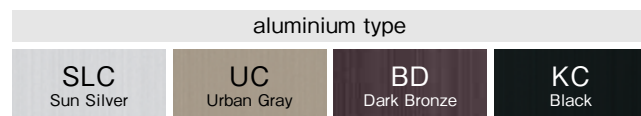
PJR, PJF & MLR Series Options to protect from Wind and Snow

Wind & Snow Upgrade Package





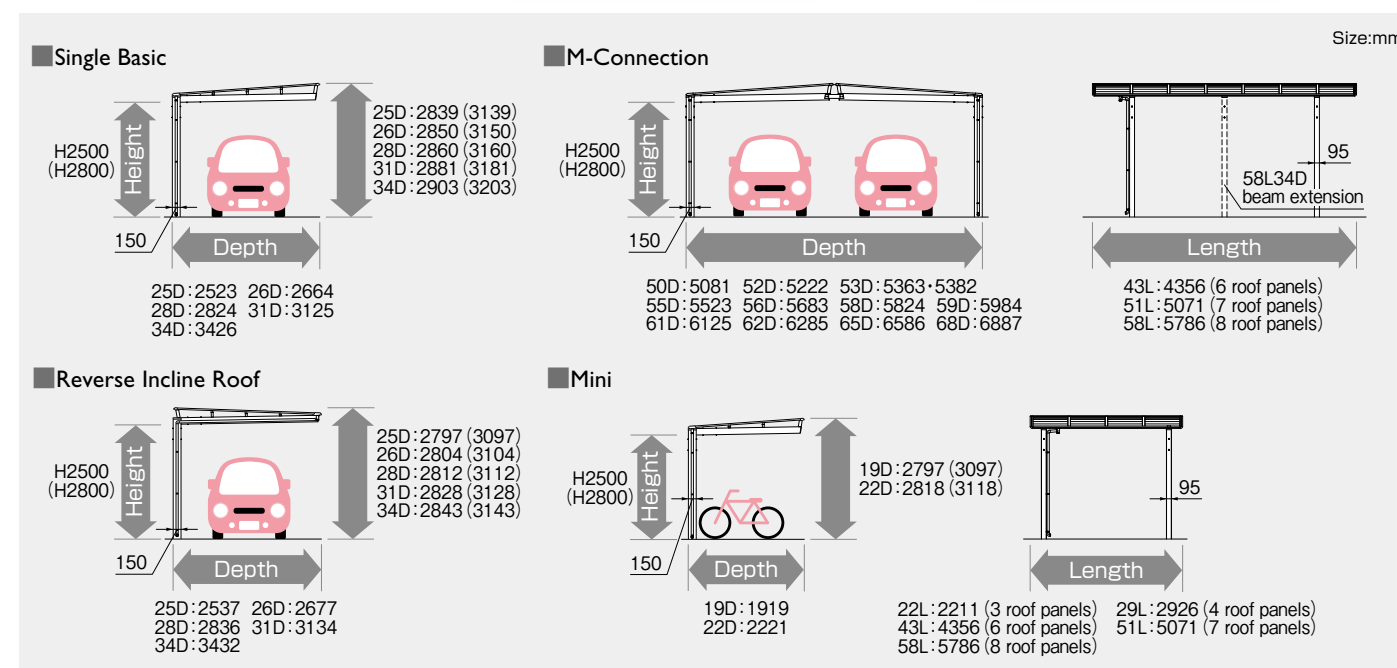
COLOR



ROOF COLOR



STRENGTH





Single Basic	Wide Beam Triple	In-Line Connection
 LJF-5028 H23 (UC)	 LJF-5080 H23 (BD)	 LJF-5050·28 H23 (JCU)
× 1 car	× 3 cars	× 2 cars

Single (Bearing Beam)	Wide Beam	Advantage of single long slope
 LJF-5028 H23 (JCL)	 LJF-5054 H23 (TPU)	 Protect wind blow and rain! Keep fine view from inside! Enough length to suit your car
× 1 car	× 2 cars	

COLOR

aluminium type					laminate type			
SLC Sun Silver	UC Urban Gray	BD Dark Bronze	KC Black	WH White	TP Trad Pine	SLC Sun Silver	JC Orange Cherry	UC Urban Gray
TPL		JCL		TPU		JCU		

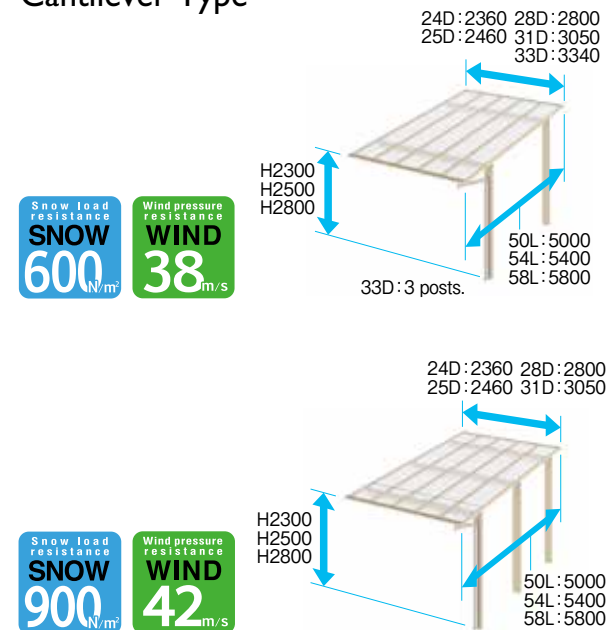
ROOF COLOR

polycarbonate			heat protection polycarbonate	
BR brown tinted	AO blue tinted	SI frosted	H/P AO blue smoke	H/P SI frosted

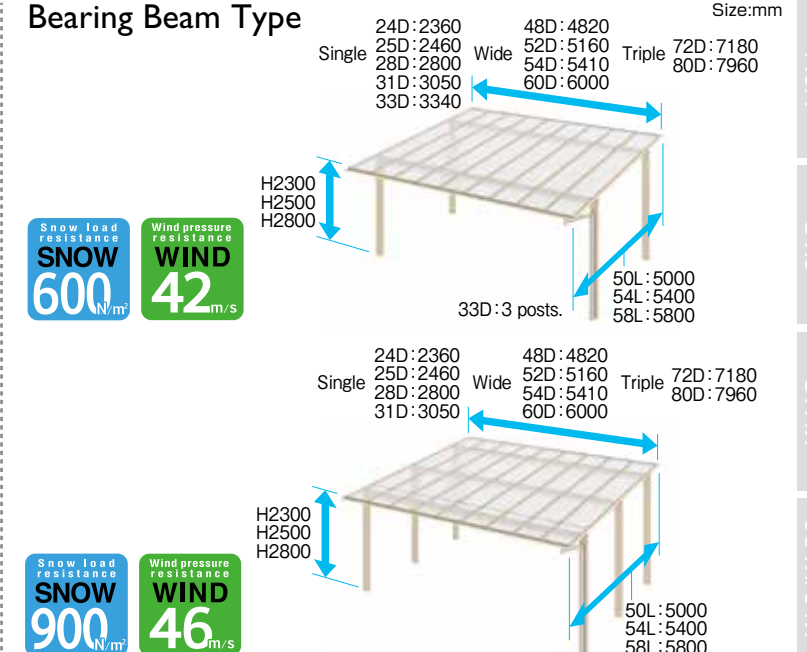
STRENGTH

Snow load resistance SNOW 600 N/m ²	Wind pressure resistance WIND 38 m/s	Snow load resistance SNOW 900 N/m ²	Wind pressure resistance WIND 42 m/s	Wind pressure resistance WIND 46 m/s
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Cantilever Type



Bearing Beam Type

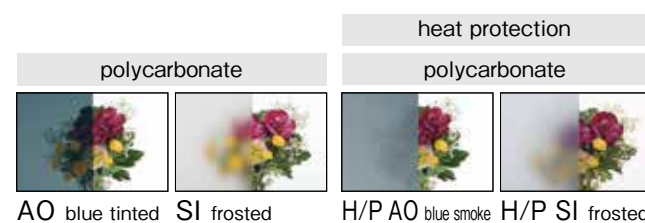




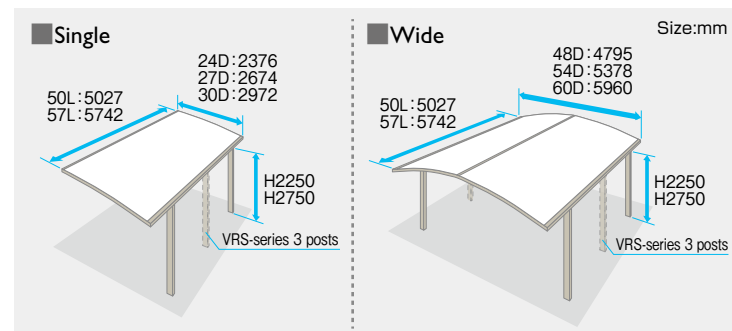
ALUMINIUM COLOR



ROOF COLOR



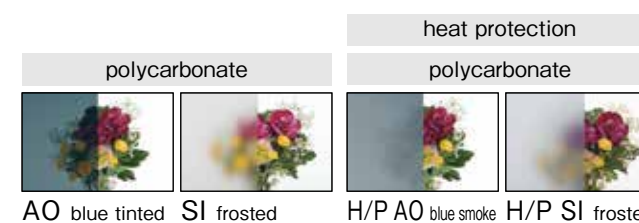
STRENGTH



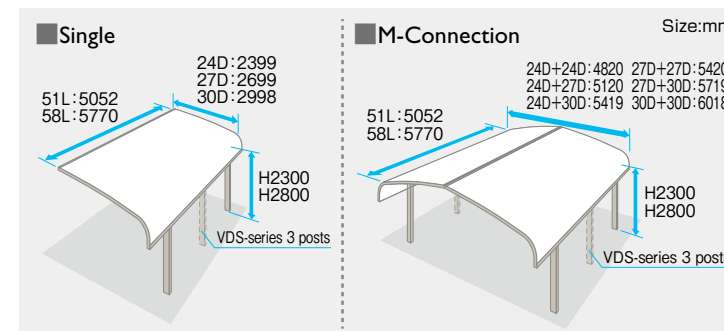
ALUMINIUM COLOR



ROOF COLOR



STRENGTH



RSC/RSZ Series

Front open, a clear view and easy access for parking.



RSC Series

Single
 × 1 car

RSC-5027 H23 (KC)

RSZ Series

Wide
 × 2 cars

RSZ-5054 H23 (TPL)

Single	Wide	Multiple Connection
× 1 car	× 2 cars	× 2 cars
RSC-5027 H23 (TPL)	RSC-5054 H23 (SLC)	RSC-50+2427M H23 (UC)

COLOR

aluminium type			laminate type			
SLC Sun Silver	UC Urban Gray	KC Black	TP Trad Pine	SLC Sun Silver	JC Orange Cherry	SLC Sun Silver
TPL			JCL		TPU	
			JCU			

ROOF COLOR

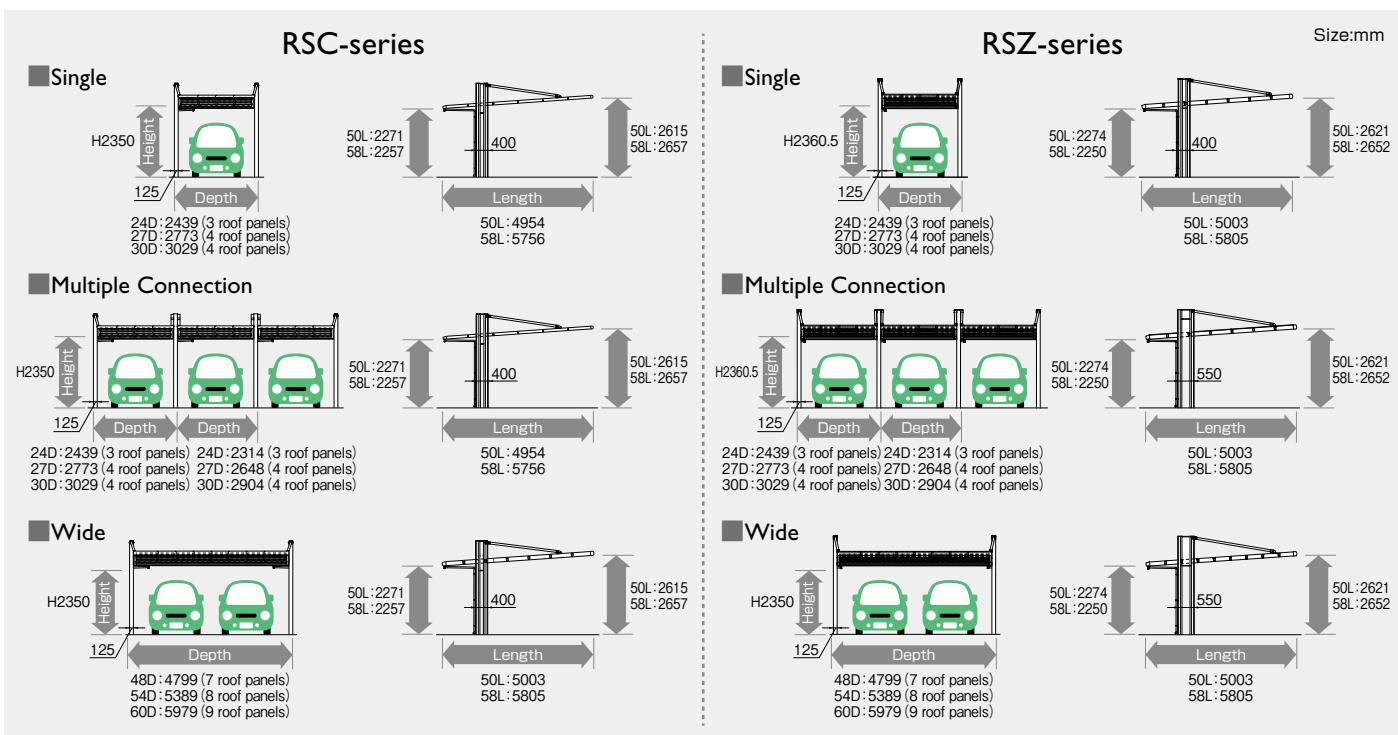
heat protection		
polycarbonate	polycarbonate	polycarbonate
SI frosted	H/P AO blue smoke	H/P SI frosted

STRENGTH

Snow load resistance
600 N/m²
RSC series

Snow load resistance
900 N/m²
RSZ series

Wind pressure resistance
38 m/s
RSZ series





Wide
 × 2cars

ATLD-5558 H25 (UC·HG)



Product video



× 1 car



COLOR

aluminium type

SLC Sun Silver	UC Urban Gray
BD Dark Bronze	WH White

Side panel

TP Trad Pine	JC Orange Cherry	HG Bitter Grain	SI clear mat (thickness 5mm)
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Ceiling

TP Trad Pine	JC Orange Cherry	HG Bitter Grain
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STRENGTH

SNOW 4500 N/m²	WIND 46 m/s
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× 2 cars

COLOR

aluminium type				laminated part			
SLC Sun Silver	UC Urban Gray	BD Dark Bronze	KC Black	TP Trad Pine	JC Orange Cherry	HG Bitter Grain	YN Silky Noche

ROOF COLOR

polycarbonate		heat protection polycarbonate		aluminium roof panel	
SI frosted	H/P AO blue smoke	H/P SI frosted	UC Urban Gray	BD Dark Bronze	

STRENGTH

Snow load resistance SNOW 600 N/m ²	Snow load resistance SNOW 1500 N/m ²
Wind pressure resistance WIND 38 m/s	Wind pressure resistance WIND 42 m/s
	Wind pressure resistance WIND 46 m/s



Roof style variations

Standard Roof

Aluminium roof frame



Wood-laminate roof frame



Premium Roof

Aluminium roof frame + Wood-laminate ceiling



Wood-laminate roof frame + ceiling



Three basic structure



Roof placed on beams



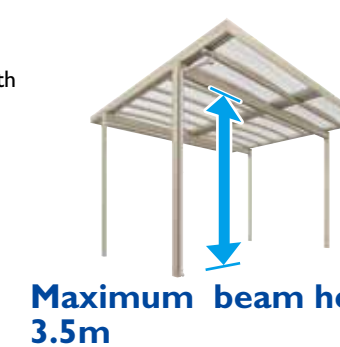
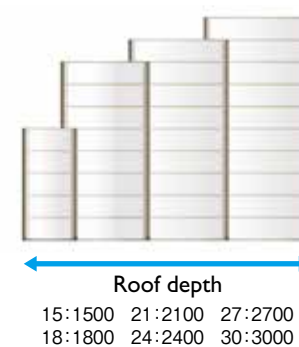
Roof attached to posts



Roof suspended from beams



Size(mm)



Ceiling





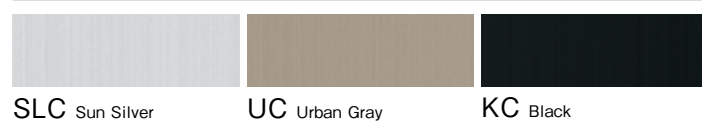
× 2cars



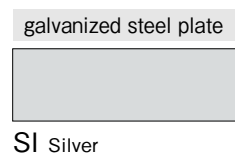
× 2cars



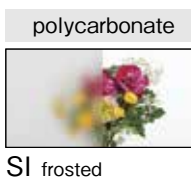
ALUMINIUM COLOR / Ceiling



ROOF COLOR



Side panel



STRENGTH

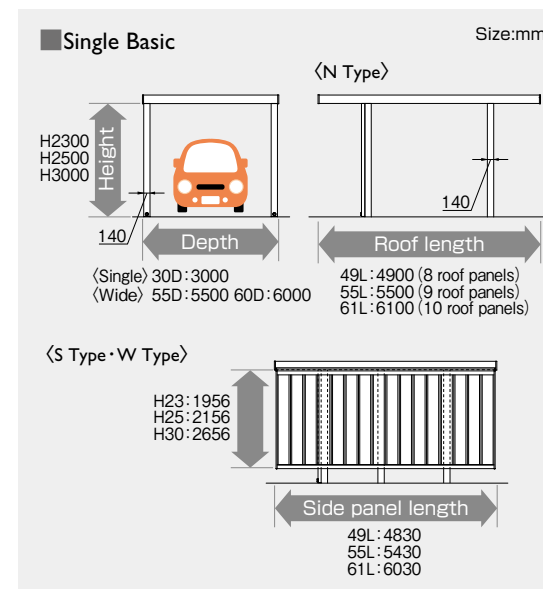
Single	Snow load resistance SNOW 3000 N/m²	Wind pressure resistance WIND 56 m/s N Type	Wind pressure resistance WIND 34 m/s S/W Type
Wide	Snow load resistance SNOW 900 N/m²	Wind pressure resistance WIND 50 m/s N Type	Wind pressure resistance WIND 34 m/s S/W Type

Type

Standard Type <without ceiling>



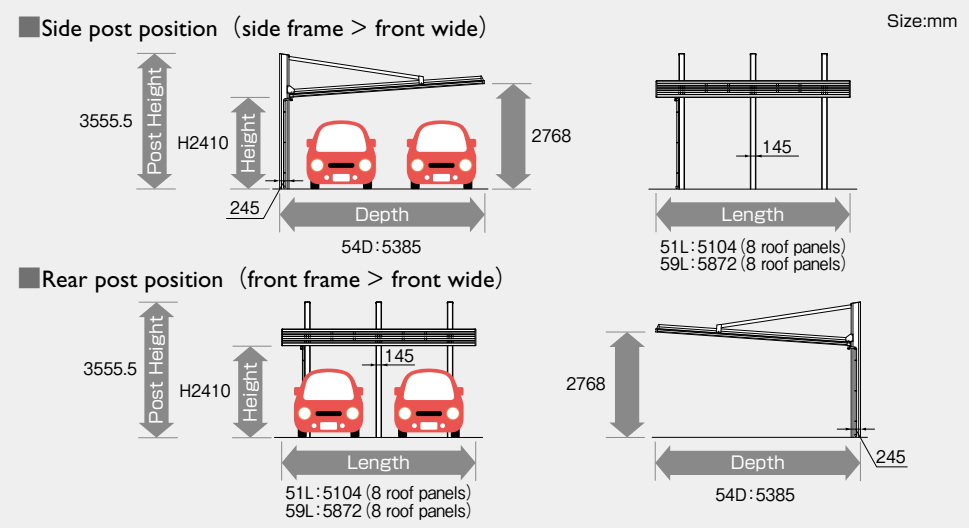
Premium Type <with ceiling>



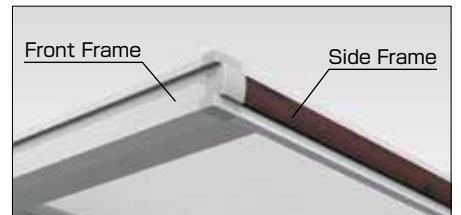
Cantilever design with deep projection.
Posts can be positioned on side or back.



Small port with side panels for EV charger or bicycle.

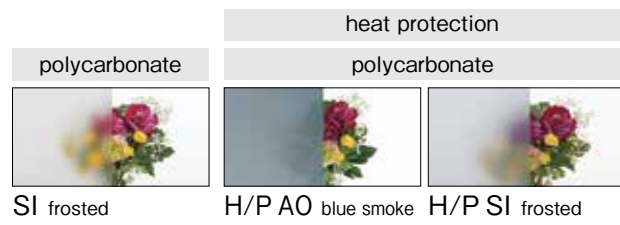


COLOR



aluminium type		laminate type			
SLC	UC	TP	SLC	JC	SLC
Sun Silver	Urban Gray	Trad Pine	Sun Silver	Orange Cherry	Sun Silver
		TPL		JCL	
		TP	UC	JC	UC
		Trad Pine	Urban Gray	Orange Cherry	Urban Gray
		TPU		JCU	

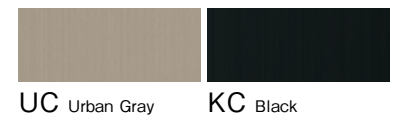
ROOF COLOR



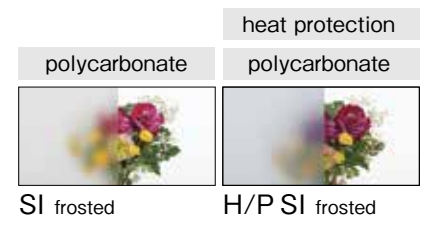
STRENGTH



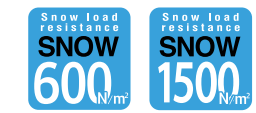
ALUMINIUM COLOR

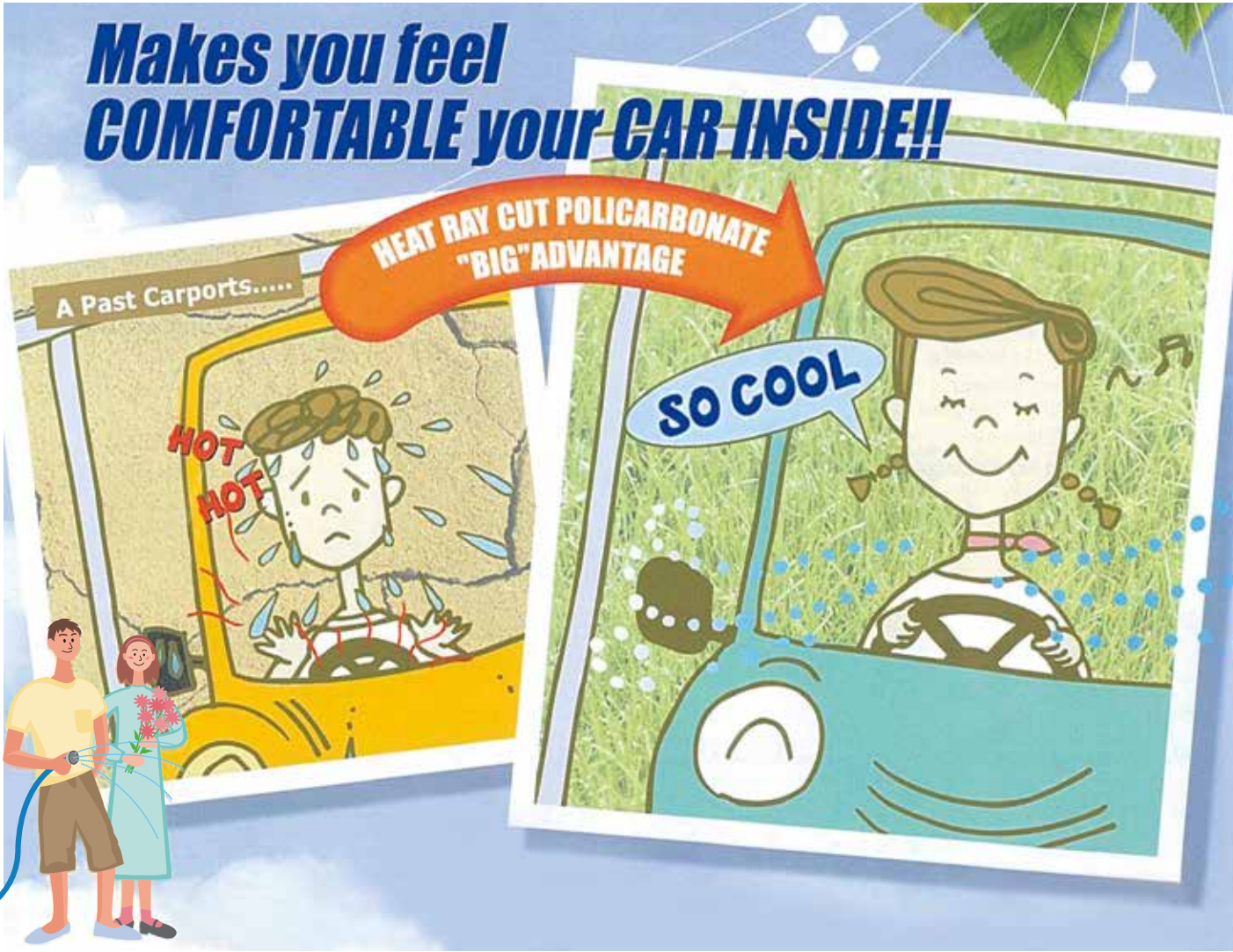


ROOF COLOR

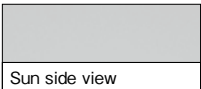


STRENGTH





H/P AO blue smoke



Sun side view
When looking from the sun side, the surface reflects in sunlight, therefore the color of the panel looks different from the ground side view.



Cuts out 83% of heat rays

Almost all harmful ultraviolet rays (UV) can be cut out. The roof protects car paintwork from fading and car seats from discoloring.

Cuts out 83% of heat rays

Cuts out 100% of UV rays

The temperature in sun-heated cars can rise to 65.8°C. Heat protection polycarbonate carports protect your cars from the summer heat.

CAR INSIDE -21°C

Polycarbonate roof protects your car from heat waves and restricts temperature rise in the car.

■ Effect of polycarbonate roof against heat wave (our test result)

Exposed to the sun	Under general polycarbonate roof	Under heat protection polycarbonate roof
65.8°C	50.5°C	44.1°C

The above values are actual values measured by us and not guaranteed values for the products.

Approx. 250 times stronger than glass

Polycarbonate sheet has impact resistance approx. 250 times higher than glass. It can even withstand being hit with a hammer. The polycarbonate roof can protect your car from bad weather conditions such as hail. In addition, since it does not harden, it is suitable for use in cold climates.

Model	PJR	PJF	MLR	LJF	VR/VRS	VD/VDS	RSC/RSZ	ATLD	USN	SKC	KWC	KLB/KLBS
Polycarbonate	Cut out UV rays 100% and has a strong impact resistance 250 times higher than glass. Since it does not harden at low temperatures, it is suitable for use in cold climates.											
 BR brown tinted												
 AO blue tinted												
 SI frosted												
Heat protection polycarbonate	The panel effectively cuts solar heat rays (infrared rays) and UV rays.											
 H/P AO blue smoke												
 H/P SI frosted												
Aluminium roof panel	Aluminum alloy panels protect the car from direct sunlight and solar heat. Both surfaces are coated with a polyester resin baked-on coating.											
 UC Urban Gray												
 BD Dark Bronze												

Roof Panel Performance

Performance	Polycarbonate			Heat Protection Polycarbonate	
	Brown Tinted (BR)	Blue Tinted (AO)	Frosted (SI)	Blue Smoke (H/P AO)	Frosted (H/P SI)
Heat Rays (IR) Cut %	45%	40%	16%	83%	70%
Visible Rays Transmissivity %	34%	20%	88%	11%	76%
UV Rays Cut %	100%	100%	100%	100%	100%

Heat Effect under the Sun Shine

Performance	Sun Direct	Polycarbonate (BR)	Heat Protection Polycarbonate (H/P AO)
Car inside	65.8°C	50.5°C	44.1°C
Steering wheel (surface)	85.6°C	60.4°C	48.2°C
Dashboard (surface)	92.7°C	66.5°C	50.4°C

Test Condition : JAPAN / Summer / Fine Day
Ambient Temperature : 34°C~36°C



Terrace & Patio Covers

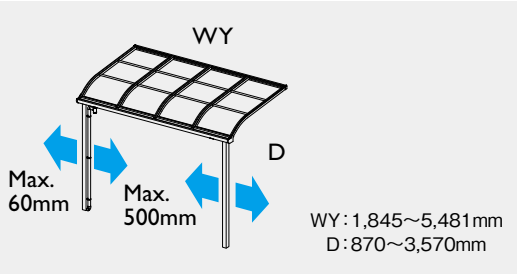
TR Series

STRENGTH

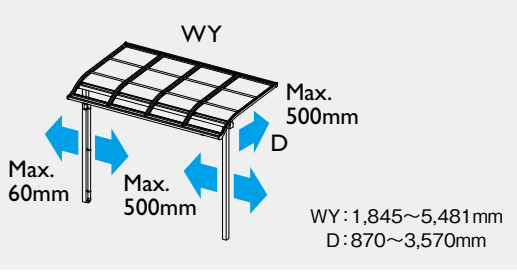


Curve: 3 different types are available.

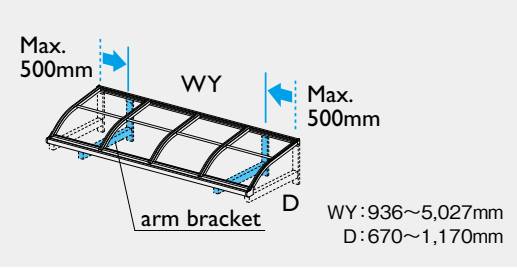
Fixed Post Type



Adjustable Post Type



Bracket Type



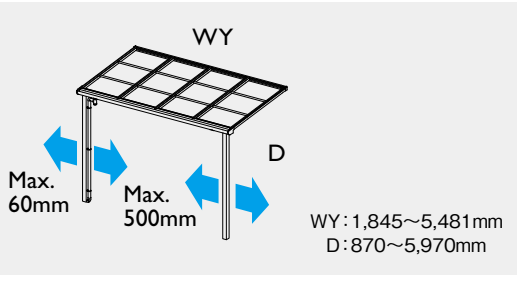
TF Series

STRENGTH

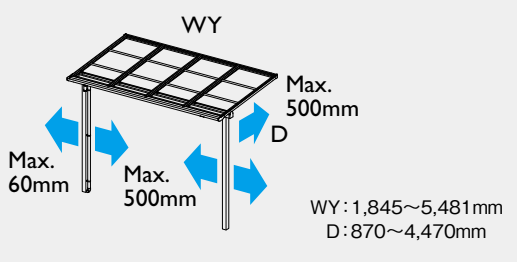


Flat: 3 different types are available.

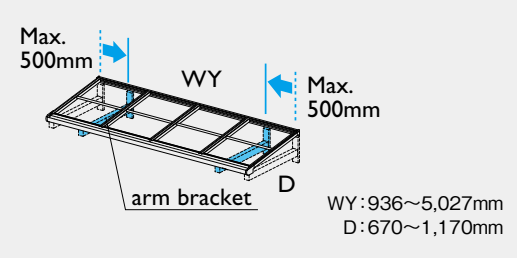
Fixed Post Type



Adjustable Post Type



Bracket Type





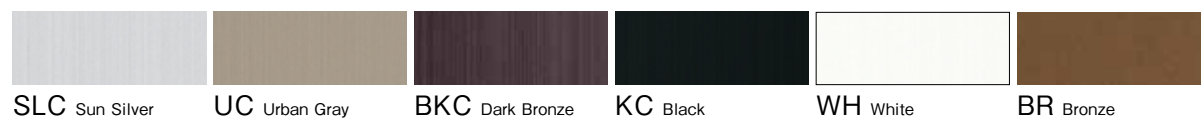
Installation Examples



Installation Examples



ALUMINIUM COLOR



ROOF COLOR



STRENGTH



Option

Sun Shade



Clothes Hanger



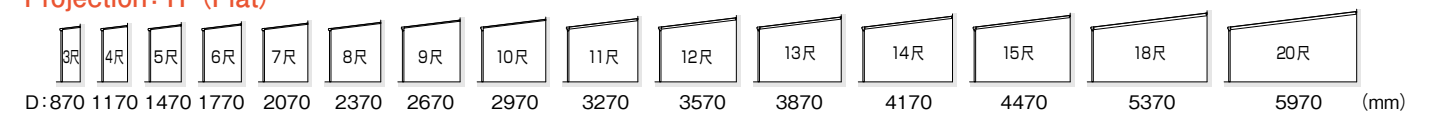
Panel



Projection: TR (Curve)



Projection: TF (Flat)



MCE Series Entry Gate & Tall Gate



Maximum Height is 2m (6.5ft) .
Maximum Width is 2.2m (7.2ft)
(for Double Gate)



ALUMINIUM COLOR

SLC Sun Silver	UC Urban Gray	BD Dark Bronze	KC Black	WH White
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STRENGTH

Wind pressure resistance
WIND 34 m/s
MCE-SP only

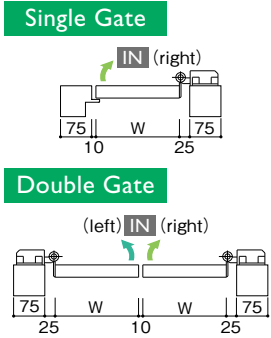
Wind pressure resistance
WIND 36 m/s

● Bar Handle: MJN-CT (Thumb Turn)

● Touch Handle: MJNT-CT (Thumb Turn)

● Touch Handle: MJNT-CC (Dimple Key)

● Touch Bar Handle: MJNG-CT (Thumb Turn)



Dimensions (mm)

		Width									
		Single Gate					Double Gate				
		600	700	800	900	1000	600x2	700x2	800x2	900x2	1000x2
Height	1000	○	○	○	○	—	○	○	○	○	—
	1200	○	○	○	○	○	○	○	○	○	
	1400	—	○	○	○	○	—	○	○	○	○

ALUMINIUM COLOR

UC Urban Gray	BD Dark Bronze	KC Black	WH White
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STRENGTH

Wind pressure resistance
WIND 34 m/s
HM/HK type

Wind pressure resistance
WIND 36 m/s
H type

● Bar Handle: MJN-CT (Thumb Turn)

● Touch Handle: MJNT-CT (Thumb Turn)

● Touch Handle: MJNT-CC (Dimple Key)

● Touch Bar Handle: MJNG-CT (Thumb Turn)

Dimensions (mm)

		Width							
		Single Gate				Double Gate			
		800	900	1000	1100	800×2	900×2	1000×2	1100×2
Height	1600	○	○	○	○※	○	○	○	○※
	1700	○	○	○	○	○	○	○	○
	1800	○	○	○	○	○	○	○	○
	1900	○	○	○	○	○	○	○	○
	2000	○	○	○	○※	○	○	○	○※

H Type

● Bar Handle: MJN-CT (Thumb Turn)

● Touch Handle: MJNT-CT (Thumb Turn)

● Touch Handle: MJNT-CC (Dimple Key)

● Touch Bar Handle: MJNG-CT (Thumb Turn)

HM Type

● Lever Handle: LMN-01 (Thumb Turn)

● Lever Handle: LMN-03 (Cylinder Key)

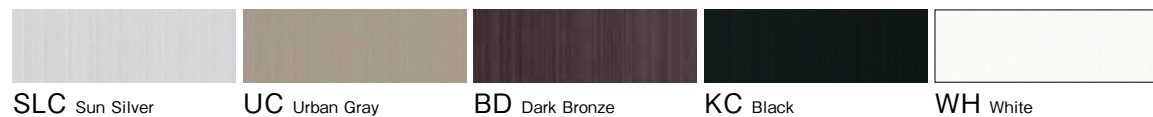
● Lever Handle: LMN-04 (Dummy Cylinder Key)

HK Type

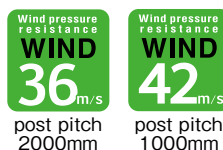
● Keyless Entry Lock: MJN-KX-S



ALUMINIUM COLOR



STRENGTH



Corner Connector



In-Between Post Corner



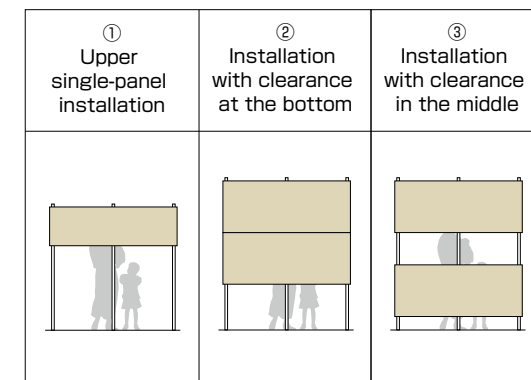
Free Post Type



In-Between Post



Many combinations of fence panel heights are available.
Maximum height is 2936mm (9.6ft).



The fence panels can be installed at any height with adjustable brackets. You can combine different panel style and heights.



Top/bottom: YL2

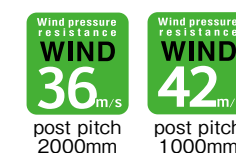


Top/Middle: TM1/Under: TK1

ALUMINIUM COLOR



STRENGTH



Basic Combination Size (mm)

	H06 H06	H08 H06	H08 H08	H10 H08	H10 H10	H12 H10	H12 H12	H10 H08	H10 H08	H10 H10
	12	14	16	18	20	22	24	26	28	30
Height	1123	1323	1523	1723	1923	2123	2323	2444	2644	2844

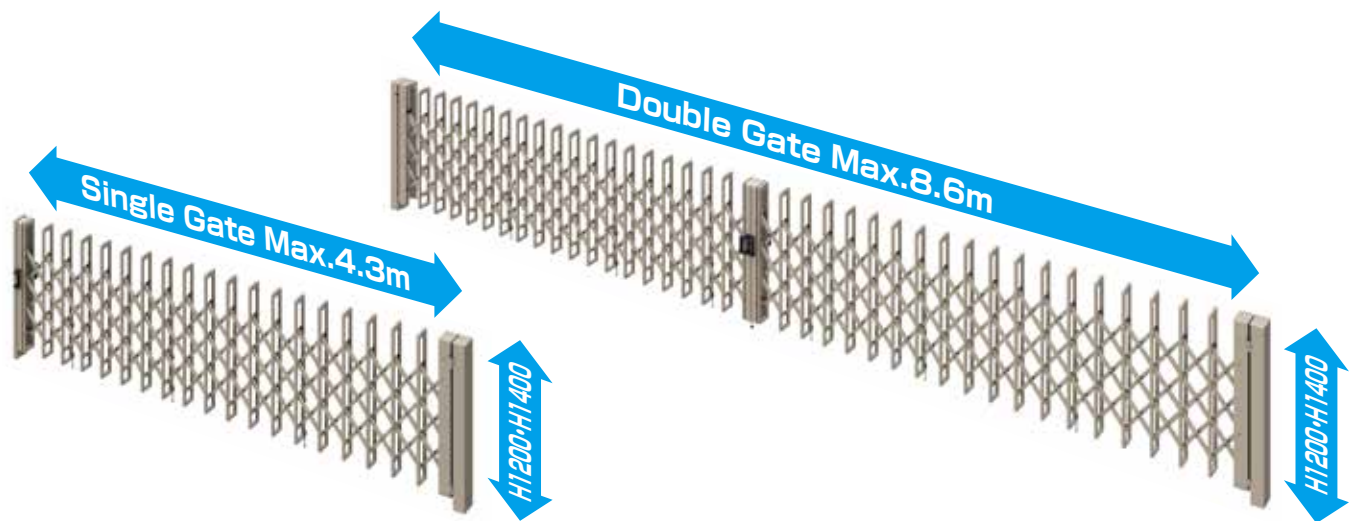
Lower rail gap 80mm

HGN Series Non-Caster Accordion Gates



SIZE

Premium Feature: Non-Caster type
Maximum width 4.3m (single gate) and width 8.6m (double gate).



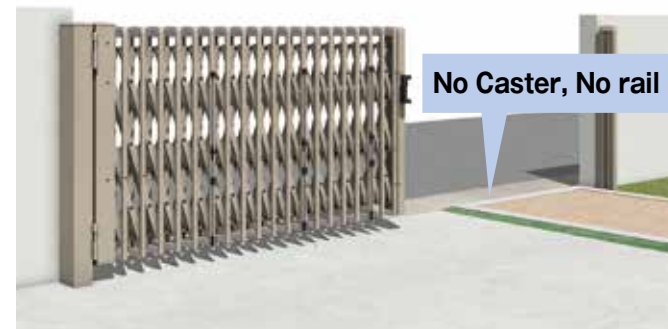
COLOR

aluminium type			laminate type			
SLC Sun Silver	UC Urban Gray	BD Dark Bronze	TP Trad Pine	UC Urban Gray	JC Orange Cherry	UC Urban Gray
			TPU		JCU	

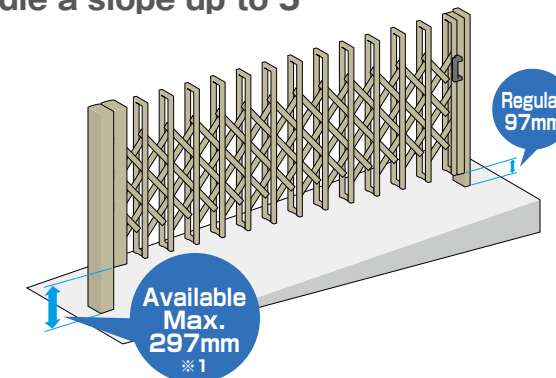
STRENGTH



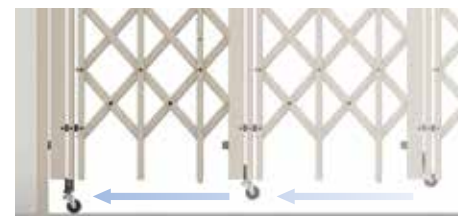
Non-Caster Accordion gates need no tracks or slab adjustments.



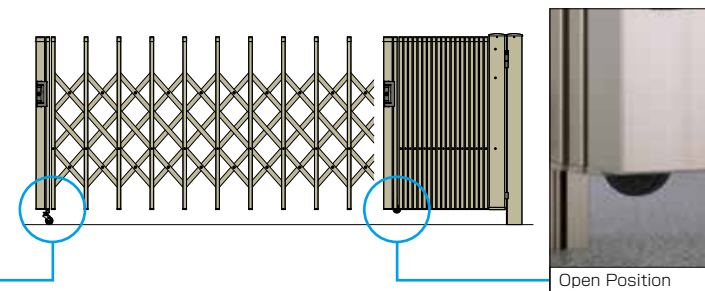
Some Non-Caster Accordion gates can handle a slope up to 5°



The wider accordion gates (5m/16.4ft for single and 10m/32.8ft for double) have a recessed caster wheel.



The caster wheel comes out when the gates is fully extended, to support the front end. Easy Docking when closing the gate.

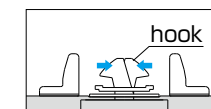


Handle

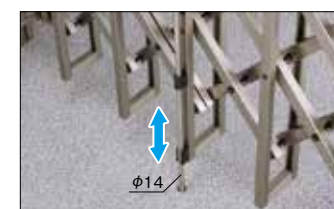
Universal Design Handle and Easy Operation.
Dimple key helps safety.



- Point**
- 1 Grab handle and open in one action.
- 2 Easy Docking when door close.
- 3 Dimple key cylinder helps more safety.

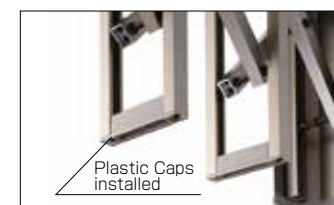


Lock-Down Sticks



Easy lock & release action. 14mm diameter lock-down sticks helps stabilize the gate.

Plastic Caps installed



Shake Absorber Latch



Reduce shaking.

HGN-M "Mini Gate" Non Caster Type

