



PV SOLAR CARPORT MOUNTING STRUCTURE SOLUTION ALUMINIUM CANTILEVER

The Valsa Solar Carport has a dual purpose in that it combines the harvesting of photovoltaic power with the need for shade and protection for staff and visitor vehicles. It can also incorporate LED lighting and solar charge stations for electrical cars.

The PV Solar Aluminium Cantilever carport mounting solution is aesthetically pleasing and suitable for upmarket installations as an alternative to shade cloth. It provides the necessary flexibility for a three-bay parking installation as it minimises the need for posts or a concrete base. It maximises the harvesting of photovoltaic power through its cantilever multiple pivot design for north, east, or west facing configurations.

The structure has been designed and manufactured to SABS standards and is in line with SANS regulations. This carport mounting structure solution is ideally suited for constant exposure to the harsh African weather conditions.

CHARACTERISTICS

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|---------------------------|--|
| Versatility | <ul style="list-style-type: none"> • Standard solution for different site specifications • Utilises parking space for power harvesting • Minimal need for posts or a concrete base creates more space • Suitable for high or low entry depending on the position of the site |
| Design | <ul style="list-style-type: none"> • Design is architecturally and aesthetically pleasing |
| Flexible | <ul style="list-style-type: none"> • Flexible custom-made design for better solar performance in either a single, double or nose to nose car parking configuration • Offers a three parking bays span between the supports • Quick and easy installation • Light weight modular design |
| Effective Solution | <ul style="list-style-type: none"> • Offers an effective PV solar carport solution as it uses available car parking space for the production of electricity |
| Tools | <ul style="list-style-type: none"> • Standard bolt fixing components. Easy assembly. |
| Project design | <ul style="list-style-type: none"> • Meets structural engineering requirements |
| Long life span | <ul style="list-style-type: none"> • Aluminium offers an extended life span of more than 25 years and the system incorporates long live PV solar panels |
| Maintenance | <ul style="list-style-type: none"> • Minimum maintenance is required |

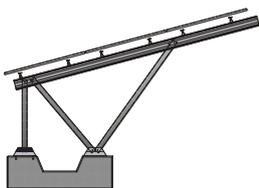
SPECIFICATIONS

| | |
|----------------------|---|
| Material | <ul style="list-style-type: none"> • Aluminium |
| Roof tilt | <ul style="list-style-type: none"> • Additional tilt for better performance and self-cleaning |
| Components | <ul style="list-style-type: none"> • Aluminium and Stainless Steel |
| Certification | <ul style="list-style-type: none"> • Meets SABS standards and is in line with SANS regulations |
| Warranty | <ul style="list-style-type: none"> • 10 years |

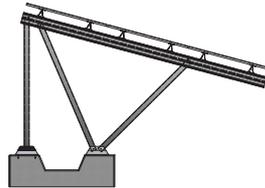
PV Solar Carport Mounting Structure Solution - Aluminium Cantilever



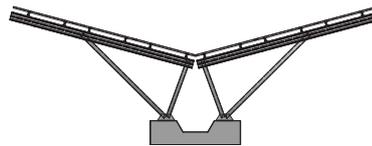
LINE DRAWINGS



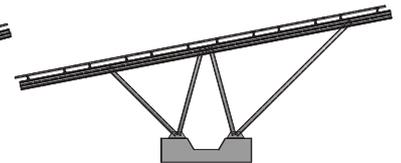
V1HES



V2LES



V3BD



VYMD

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