



T-FRAME DOUBLE ROW DUO-PITCH SOLAR CARPORT

The i2o T-Frame carport minimum ground footprint with heavy duty construction and framework that allows unhindered opening of car doors. Vertical posts are positioned up to 7.5m apart with a typical 3 bay span.

The Double Row mirrors the Single Row Carport, with a typical 3 bay span over two covering 6 bays.

Site facing east/west benefit from the T-Frame Double Row Duo-pitch angled roof for longer power generation in the mornings and evenings; matching peak energy demand for the national grid. Mono-pitch carports are also available for south facing locations.

All initial prices are quoted for our standard galvanised carport structure. Additional options include:

- Powder Coat Finish
- Boxing and Plating
- Cable Management
- Guttering
- Water Management
- LED Motion Controlled Lighting
- CCTV Installation
- EV Charge Points
- Energy Storage

Typical Structural Specifications

Min height from 2.2m
Car park dimensions: 2.4m x 4.8m
Roof dimensions: 2.4 x 5.5m
Size and roof pitch as per site requirements

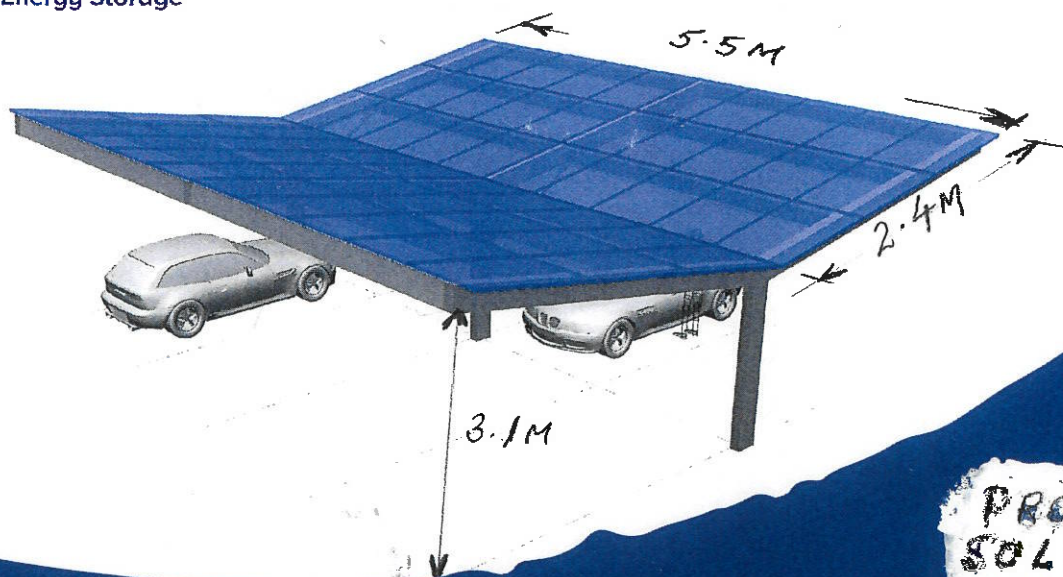
Typical PV Solar Specifications

Rooftop area / space: 12.5m²
Solar PV / Car park bay: 2.0kwp

Building Codes

- Building regulations part A
- Structure specified to execution class 2 (EX2) in accordance with BS EN 1090
- BE EN 1090: Execution of steel structures
- BS EN 1991-1-1: Action on structures
- BS EN 1991-1-3: Snow loads
- BS EN 1991-1-4: Wind loads
- BS EN 1991-7: Accidental actions
- BS EN 1993-1: Design of steel structures
- BS 8004: Foundations
- BS 8110-1: Structural use of concrete

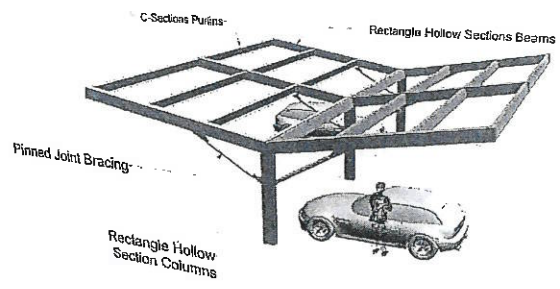
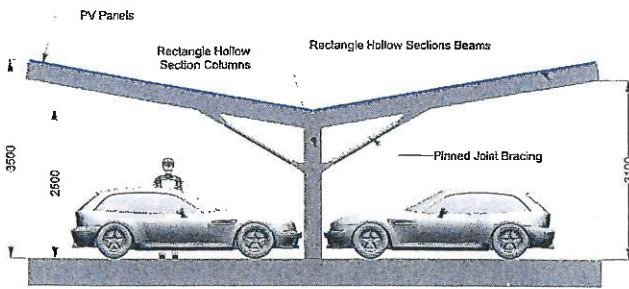
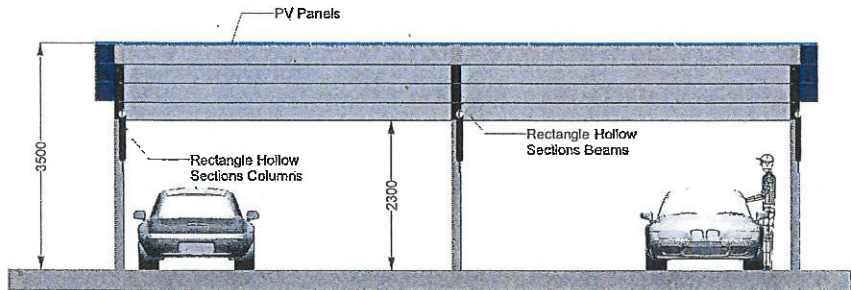
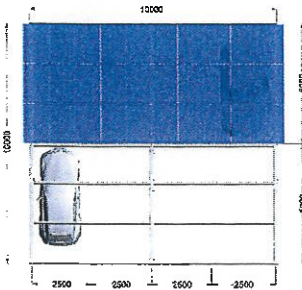
i2o carport structures are CE marked according to current requirements and are compatible with all major PV fixings and panel manufacturers.



PROPOSED
SOLAR
CAR PARK

INDICATIVE DETAILS

PROPOSED SECTION DETAIL SOLAR CAR PARK FOR WICKLOW COUNTY COUNCIL



	Monopitch canopy	
Single row of cars	 T-frame single Un-balanced, un-braced cantilever, monopitch, single bay	 V-frame single Balanced, braced cantilever, monopitch, single bay
	Monopitch canopy	Duopitch/gull wing canopy

Multiple rows and aisles	Portal-frame canopy			
	 Portal-frame barrel arch Balanced, braced non-cantilever, barrel roof, multiple bay	 Portal-frame beam roof Balanced, braced non-cantilever, beam roof, multiple bay	 T-frame double Balanced, un-braced cantilever, monopitch, single bay	 V-frame double Balanced, braced cantilever, monopitch, double bay
Double row of cars	 T-frame double Balanced, un-braced cantilever, monopitch, double bay	 V-frame double Balanced, braced cantilever, duopitch, double bay	 T-frame double Balanced, un-braced cantilever, duopitch, double bay	 V-frame double Balanced, braced cantilever, duopitch, double bay

6/02/19

