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
- BS EN 1090: Execution of steel structures
- BS EN 1991-1-4: Wind loads
- BS EN 1991-1-4: Snow loads
- BS EN 1991-1-4: Accidental actions
- BS EN 1993-1-1: 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 SECTION DETAIL SOLAR CAR PARK FOR WICKLOW COUNTY COUNCIL

INDICATIVE DETAILS

6/02/19