

SKOOTSTOR SOLAR POWER MOBILITY SCOOTER & BIKE STORAGE

Now storing your mobility scooter and bike has never been easier

The SkootStor Shelter is part of a range of shelters that offer a wide range of storage uses and also allows for off grid solar power charging for your mobility scooter, bike, and motor bike.

Designed to meet National Fire Chief Recommendations and Fire Resistant.

Benefits:

- Modular design for fast & easy construction.
- Solar-powered off-grid technology.
- Free electricity.
- No cables, no trenching, no disruption.
- Can be located next to building subject to a site specific risk assessment.
- No planning permission required.
- Maintenance free, except for the timber cladded shelters.



The 50 x 50mm steel framework is hot dipped galvanised as standard to BSEN ISO 1461:2009 and can also be powder coated in any standard RAL colour if required. There is the option of the high performance multi-directional fire-resistant GRP roofing or the galvanised steel box profile roof sheeting finished with a plastisol coating, both roofs facilitate the option of 270w high performance solar panels for charging your mobility scooter or bike. Both roofs can be finished in a choice of different standard RAL colours. The roofs come with integrated roof guttering and down pipes.



The walls can be made up of either modular anti-corrosive, UV stable, impact resistant, recycled wood plastic composite panels, these are fire resistant and come in a choice of standard RAL colours. Other material options are available such as treated softwood and hardwood timber cladding or galvanised steel box profile roof sheeting finished with a plastisol coating and come in a choice of standard RAL colours.

Access control options- The door panel module allows for multiple configurations within the unit. A number of manual locking, mechanical or powered keypad and powered door control options can be specified.

The shelters can be easily extended and if you require custom sizes we offer a bespoke version.

The charging station is installed on the rear wall and comes complete with a non-standard plug that only charges mobility scooters and bikes (prevents misuse).

A charge controller MPPT 100/50 has been selected, this gathers energy from the solar panels and stores it in the main storage battery.

A Lithium deep cycle battery has been chosen for the main storage battery, this can store up to 1200Wh (watt hours) of energy. More batteries can be added at an additional cost to increase the stored energy.

Most mobility scooters run on 24VDC due to the motors. However, the batteries are normally 2no. 12V batteries connected into series to achieve 24VDC. Therefore, the batteries need to be charged at 24 VDC.

A 12-24 VDC battery to battery smart charger has been selected to charge the mobility scooter using energy from the main storage battery and/or the solar panels. Due to the charger being smart it can charge many different battery chemistry options so this product gives us great flexibility.

All the above are housed in the Charging station.

How it works

The SkootStor solar panels harvest solar energy and convert this energy into electricity which is used to charge the mobility scooter, bike and motor bike through our intelligent battery charging system. The system can be configured to charge a range of mobility scooter, bike and motor bike batteries and can accommodate different sizes.





Materials, Finishes & Options

Steel
Available in the options below, Premium option comes in various colours at an extra cost

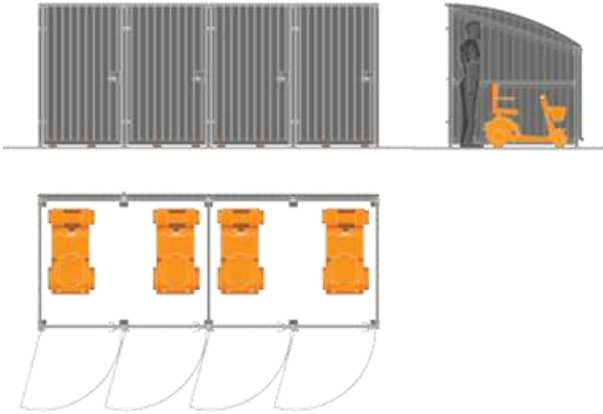


Cladding
Available in the options below;
For further detail on our cladding options contact a member of our sales team >>>



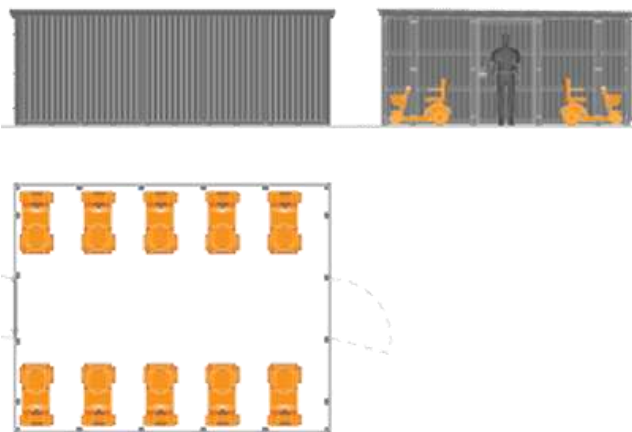
MOBILITY SCOOTER STORAGE UNITS (CHARGING AND DOORS ARE OPTIONAL ON EACH UNIT)

Layout & Sizes - Illustration Purposes Only



Model	Storage	Depth	Width	Height
Scoot 1	1no. Mobility Scooter	2100mm	2100mm	2300mm
Scoot 2	2no. Mobility Scooters	2100mm	2100mm	2300mm
Scoot 3	3no. Mobility Scooters	2100mm	4200mm	2300mm
Scoot 4	4no. Mobility Scooters	2100mm	4200mm	2300mm
Scoot 5	5no. Mobility Scooters	2100mm	6300mm	2300mm
Scoot 6	6no. Mobility Scooters	2100mm	6300mm	2300mm

Other sizes and layouts are available



Model	Storage	Depth	Width	Height
Scoot 7	4 no. Mobility Scooters	4200mm	4200mm	2300mm
Scoot 8	6 no. Mobility Scooters	4200mm	6300mm	2300mm
Scoot 9	8 no. Mobility Scooters	4200mm	6300mm	2300mm
Scoot 10	10 no. Mobility Scooters	4200mm	8400mm	2300mm
Scoot 11	12 no. Mobility Scooters	4200mm	10500mm	2300mm

Other sizes and layouts are available

We are part of the Low Carbon Exchange Group of Companies