

SOLAR POWERED COMPACTION SYSTEMS

New to market, Enviroquip's exclusive range of solar powered compaction systems are manufactured in-house at our engineering facility in South Wales.

Ideal for producers of medium volumes of waste and perfect for when mains connections aren't an option, our solar chargers accept up to 150v from the solar panels, to charge the 12v batteries at up to 45 amps. This is backed up by a 10 amp battery charger, fitted below the batteries and fitted with a 16 amp plug. This allows flexibility for alternative charging on days when the weather is not so bright, or for if you wish to charge the batteries overnight.

If the battery voltage drops to below 10v the unit will automatically shut off the power to the compactor panel and the 'battery low' light comes on until charged to 11v, if 11v is reached before the 45 min timer is expired the unit stays off until the 45 mins is reached.

The Compactor panel activates the solar controller by pressing the start button. Once the start button is pressed, this will illuminate the battery ok light and stays active for 10 mins. If the start button is pressed within these 10 minutes, the cycle will be activated.

All compactors are fitted with a variable speed control panel, for a higher speed approach controlled by a pressure transducer to detect specific load conditions and varying speed to achieve the same load as a standard mains controlled compactor, all whilst optimising the battery performance. 3/4 and full conditions are measured by the pressure transducer to illuminate lamps in accordance with the load conditions

The 1.5kw 3 phase motor driven by variable speed controller, delivers up to 5.5rpm (25lpm) with a regenerative system and variable speed. This achieves higher speed from the lower current, whilst still delivering 2000 psi of pressure to the cylinder.



TECHNICAL SPECIFICATIONS

| | ESC 1350 Static Compactor | ESC 1650 Static Compactor |
|-----------------------------|--|--|
| Motor rating | 1.5 kW | 1.5 kW |
| Charge box volume | 1.88 m ³ | 2.25 m ³ |
| Cycle time | 150 seconds | 183 seconds |
| Compaction force | 24.8 tonnes | 24.8 tonnes |
| Operating pressure | 2,000 psi | 2,000 psi |
| Clear aperture length | 1,500 mm | 1,800 mm |
| Clear aperture width | 1,518 mm | 1,518 mm |
| Charge box depth | 824 mm | 824 mm |
| Ram depth | 700 mm | 700 mm |
| Penetration into container | 300 mm | 300 mm |
| Overall length | 3,595 mm | 4,195 mm |
| Overall width | 1,970 mm | 1,970 mm |
| Height to top of charge box | 1,168 mm | 1,168 mm |
| Dock height | 1,168 mm | 1,168 mm |
| Battery charger | 10 amp battery charger for alternative supply. | 10 amp battery charger for alternative supply. |
| Oil reservoir capacity | 107.5 litres | 107.5 litres |
| Total weight | Approximately 3,300 kg | Approximately 3,900 kg |

These specifications are subject to variation or modification.

Optional extras:

- Wide range of bin-lift options, for DIN standard wheelie-bins, or bespoke containers
- Telemetry systems, to provide text and email notifications of machine status
- Monitoring of hydraulic oil levels and leak detection
- Utilisation data management
- Remote diagnostic functionality and intelligent service scheduling

All Enviroquip equipment is manufactured and tested to the highest standard in accordance to the Health & Safety requirements of the Machinery Directive. All equipment is fully CE certified, compliant with both PUWER and the Health & Safety at Work Act regulations and are rated IP65 for use outside.

All Enviroquip compaction systems come with a 1 year comprehensive warranty, along with a 5 year structural warranty.