

Extendable Cable Carrier System

The Powervamp Extendable Cable Carrier is designed to facilitate the rapid connection of external aircraft power from a fixed electrical distribution point to an aircraft parked within the envelope of the cable carrier's extended length and side to side arc of travel.

The extendable carrier maximises cable life by preventing abrasion damage typically caused by ground contact. Safety is aided because cables are clear of the ground and protected by the modular alloy extruded sections. A heavy-duty galvanised steel stowage cage mounted on 4 castor wheels stores the free cable and protects AC and DC aircraft plugs from damage.

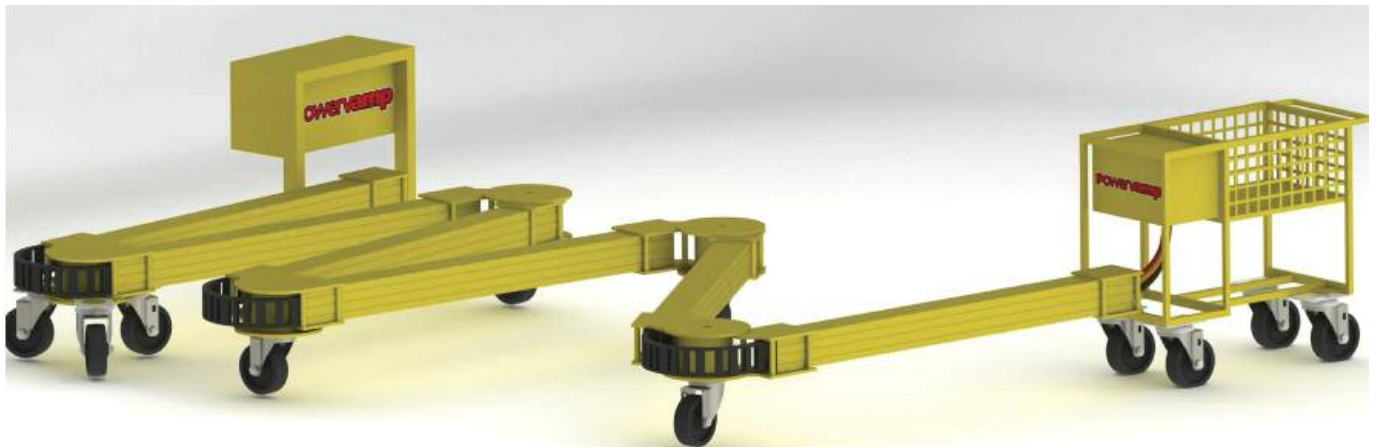
Each extruded alloy channel section has an alloy pivot plate to which are bolted nylon wheels. Heavy-duty IGUS chain protects and guides the cable, maintaining the correct bend radius and cable tension. Modular design allows carrier length to be tailored to aircraft stands and to cover a wide variety of aircraft types and parking positions within the stand area. Adjustable buffers on each extension cushion each section as the unit is returned to its stowed position after use.

Units can be left- or right-hand biased. Carrier length can be from 12 to 30 metres (39 to 98ft) in set increments (see specification).

Unless otherwise specified, the Powervamp extendable cable carrier is painted in powder coat yellow and is supplied as standard with a fixed stanchion/junction box unit with connections to accept the fixed electrical ground power output. An 'I' beam stanchion with shock absorber located at the opposite end of the extendable cable carrier's stowed position ensures correct parking with no over travel.

SPECIFICATION

Dimensions	
Common	150mm (6in) wide x 150mm (6in) high
Extended length	12, 15, 20, 25, 30 metres (39, 49, 65.5, 82, 98ft)
Arm length	3 metres (10ft) and 5 metres (17ft)
Construction material	Extruded alloy
Pivot arrangement	Alloy base plate, centre shaft with pre-loaded bearings and polymer wearing surfaces with IGUS chain cable and radius protection. All non ferrous fittings
Skates	Flexell castors, high density nylon – 200mm (8in) diameter
Cable stowage cage	Mild steel, galvanised, painted powder-coat yellow with twin aircraft plug holsters
Base station	Lockable galvanised steel cabinet with heavy duty terminal bloc, isolator, earth point and grommet holes fixed to twin 'I' beams each with base plate and 4 x 20mm (¾in) securing holes
Max. extension angle to the vertical	20°



Powervamp extendable cable carrier: options 12–30m (39–98ft), designed for use with all converters and FEGP installations

