





English Specs (typical 6 m living module)

- External shell: 6 060 × 2 440 × 2 895 mm (20'HC footprint)
- Gross weight: 5 500 kg (frame + insulation + MEP)
- Volume: 18 m³ living space, 38 m³ total cube
- Material: corten-steel frame, 60 mm PU insulation, aluminium composite skin
- Fork pockets: 4-way ISO 1161, SWL 25 t
- Lashing rings: 16 × 5 t D-rings, 8 corner plates
- Glass curtain wall: 8 mm low-E + PVB laminate, impact rating IK08
- Power/data inlet: IP66 rapid-connect box, 380 V 32 A / 1 Gb ethernet
- Roof load: 2.0 kN/m² snow, 1.2 kN/m² service deck
- Corner castings: 42 t stacking, 25 t lifting, crane & spreader compatible
- Transport mode: 40'FR / 40'HQ (open-top) / MAFI roll-trailer / low-bed 2-file

- Product Details

- Pre-Transport Engineering
 - 3-D lashing plan - finite-element check of shell stress under 2 g sea-fastening.
 - Route survey - bridge height, turning radius, axle load, police escort schedule.
 - Permit package - overweight, oversize, night-run approval in CN, ASEAN, EU, USA.

- Multimodal Options
 - Factory → port on hydraulic modular trailer (HMT), 12 axle lines, 48 t payload.
 - Port → port on 40' flat-rack, tarp-covered or open-top HQ for glass protection.
 - Port → site on MAFI roll-trailer + heavy-duty tractor, 40 km/h convoy.
 - Final 50 m by rough-terrain crane or SPMT for precise drop-on foundation.

- Protection & Monitoring
 - Anti-corrosion wrap + VCI foil for sea leg; humidity indicator cards inside.
 - Corner buffers & inflatable bags protect glass façade.
 - GPS/IoT tracker on frame - shock, tilt, temp & humidity log every 15 min.
 - Insurance - all-risk cargo + delay in start-up, premium 0.25 % CIF + site value.

- Customs & Compliance
 - HS code 9406.00 prefab buildings; we file ATA Carnet for temporary expo units.
 - CE/UKCA/UL certificates pre-cleared to speed destination customs.
 - COO & Form A for GCC and ASEAN duty reduction.

- Value-Added Services
 - Site survey - crane pad, unloading bay, soil bearing check.
 - Dual-lift spreader beams for tandem crane picks when roof lifting points are used.
 - Storage-in-transit 14 days free at origin or destination depot.
 - Digital twin hand-over: lashing photos, survey report, tracker CSV and 3-D scan.