

MODULAR EXPANDABLE GARDEN STUDIO VILLA

Glass-Wall Expandable Pod 20ft

Architectural insulated garden workspace engineered for quiet concentration, modular versatility, and all-season British durability.



ACOUSTIC SHELL

Rw ≥ 32dB certified sound isolation with acoustic mineral core



FRESH AIR FLOW

Positive pressure dual-fan circulation at ~60 m³/h exchange

UK 3-PIN POWER

BS 1363 230V sockets, safety shutters & dual USB-A/C ports

10-YR WARRANTY

Full British structural frame warranty & weather sealing

UK Mainland Delivery Included: Dispatched in bespoke modular crates with turnkey on-site assembly options.

Lead Time: **12-16 Weeks**

ARCHITECTURAL ANATOMY

Built for Comfort, Focus & British Weather

Every BuyGardenPods unit combines industrial structural stability with ergonomic interiors, active ventilation, and full compliance with UK domestic electrical and fire codes.

Acoustic Insulation & Privacy

Multi-layer sandwich walls filled with high-density rockwool (50 kg/m³, 50mm thickness) and high-absorption acoustic PET felt panelling. External sound reduction index $R_w + C_{tr} \geq 32\text{dB}$ prevents confidential calls from leaking outside while isolating garden and street noise.



Active Fresh Air Ventilation

Integrated dual-fan ventilation system running at 1,500 rpm @ 12V DC. Creates positive pressure inside the pod to circulate fresh air from top to bottom, exchanging air at 60 m³/h without draughts, operating at an ultra-low whisper noise level of $\leq 28\text{dB(A)}$.

BS 1363 British Standard Power

Pre-wired electrical loom featuring flush-mounted BS 1363 UK standard 3-pin sockets with integrated safety shutters, dual USB-A and USB-C fast charging ports, and a dedicated consumer unit with 30mA RCD and MCB circuit protection, fully certified to BS 7671 standards.

Ergonomics & Smart Lighting

Fitted with ceiling-recessed Philips 4000K natural daylight LED lighting (410 lm) controlled via intelligent PIR occupancy sensor. Generous internal headroom (2.10m – 2.40m) and optional heavy-duty HPL scratch-resistant floating workstation.

Fire Safety & Non-Combustible Core

Manufactured using 94V-0 fire-rated composite materials and Class B-s1, d0 fire-retardant exterior panelling. Internal electrical conduits are fully enclosed in fire-resistant metal raceways for absolute safety in garden residential settings.

5+5mm Laminated Safety Glass

Thermally broken aluminium or UPVC frames glazed with 5+5mm acoustic laminated double glazing with argon gas cavity. Blocks 99% of harmful UV rays while delivering superior thermal retention during British winters (U-value 1.1 W/m²K).

Rapid Modular Assembly

Pre-engineered modular panels arrive pre-wired with factory-drilled precision joints. A standard pod can be assembled by two qualified operatives in 2 to 4 hours on any prepared level hard-standing, concrete pad, or ground screw foundation without wet trades or building disruption.

MODEL SIZING & FOOTPRINT

Glass-Wall Expandable Pod 20ft Configurations

Available in three standardized modular footprints to match your garden space, planning preferences, and spatial requirements.

SIZE OPTION	EXTERNAL FOOTPRINT	INTERNAL AREA	RECOMMENDED SPATIAL LAYOUT
Compact	5.1m x 3.8m	21 m ²	One desk, chair and storage
Standard (Standard)	6.0m x 4.5m expanded	27 m ²	Desk plus a meeting chair or sofa
Large	7.2m x 5.2m	36 m ²	Office plus a second seating or meeting zone

CERTIFIED ENGINEERING

Technical Specifications

EXTERNAL DIMENSIONS	6.0m x 4.5m expanded (Height: 2.30m – 2.50m external, suitable for UK permitted development < 2.5m)
INTERNAL USABLE AREA	27 m ² (Internal clear standing ceiling height: 2.10m – 2.25m)
STRUCTURAL FRAMEWORK	Hot-dipped galvanised steel sub-frame (Q235) with aerospace 6063-T5 aluminium alloy uprights
THERMAL INSULATION	Multi-layer thermal break composite panels (Rockwool core 50kg/m ³ , overall U-value ≤ 0.24 W/m ² K)
ACOUSTIC PERFORMANCE	Sound Reduction Index: $R_w + C_{tr} \geq 32\text{dB}$ (Tested to ISO 10140 / BS EN ISO 717-1)
GLAZING SYSTEM	5+5mm acoustic laminated toughened safety glass with double-sealed EPDM weatherproof gaskets
FRESH AIR VENTILATION	Active dual 12V DC fans (1,500 rpm, positive pressure air change ~60 m ³ /h, noise level ≤ 28 dB)
ELECTRICAL SPECIFICATION	BS 1363 UK 3-pin standard sockets (230V / 50Hz, 13A), dual fast USB-A + USB-C, 30mA RCD consumer unit
LIGHTING INCLUSIONS	Philips LED 4000K natural daylight strip light (410 lm), automatic PIR occupancy detection
FIRE PERFORMANCE	Class B-s1, d0 non-combustible core (BS EN 13501-1), 94V-0 interior flame-retardant panel rating
APPROXIMATE WEIGHT	450 kg – 1,200 kg (model and fit-out dependent, engineered for standard garden sub-bases)
FOUNDATION REQUIREMENT	Flat, level hard-standing (concrete slab 100mm+, timber decking sub-frame, or ground screw anchors)
PERMITTED DEVELOPMENT	Complies with UK Town and Country Planning (General Permitted Development) under 2.5m eaves limit

BESPOKE STYLING

Customisable Finishes & Material Options

Tailor your pod's exterior aesthetic and interior acoustics to harmonise with your garden landscaping and home architecture.

1. EXTERIOR ARCHITECTURAL CLADDING



Pure White
RAL 9016



Anthracite Grey
RAL 7016



Stealth Black
RAL 9005



Warm Timber
Natural Oak



Dark Walnut
Rich Woodgrain



Forest Green
British Heritage

2. INTERIOR ACOUSTIC FELT & FLOORING



Graphite Grey
Acoustic Felt



Pearl Grey
Acoustic Felt



Warm Camel
Acoustic Felt



Nordic Sage
Acoustic Felt



Charcoal Tile
Contract Carpet



Oak Plank
Waterproof SPC

ENHANCEMENTS

Optional Factory Upgrades



Dual-Inverter Climate Control

Ultra-quiet A+++ split air-conditioning & heat pump system for effortless year-round 21°C comfort.

Bespoke Workstation Fit-Out

Integrated solid hardwood or HPL desk with cable management port, storage drawers & floating shelving.

Smart Biometric Digital Lock

Keyless access via fingerprint sensor, PIN keypad or smartphone app with encrypted activity log.

Smart Switchable Privacy Glass

Instant electro-chromatic glass switches from clear to opaque at the press of a remote or smart button.

British Customer Service & Turnkey Delivery

All BuyGardenPods structures are delivered direct to your UK address in protective crates. Our certified installation teams provide complete on-site assembly, base levelling, and commissioning.

✓ 10-Year UK Structural Warranty · 2-Year Inclusions Warranty

Direct Enquiries & Orders:

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Nationwide UK Mainland Delivery