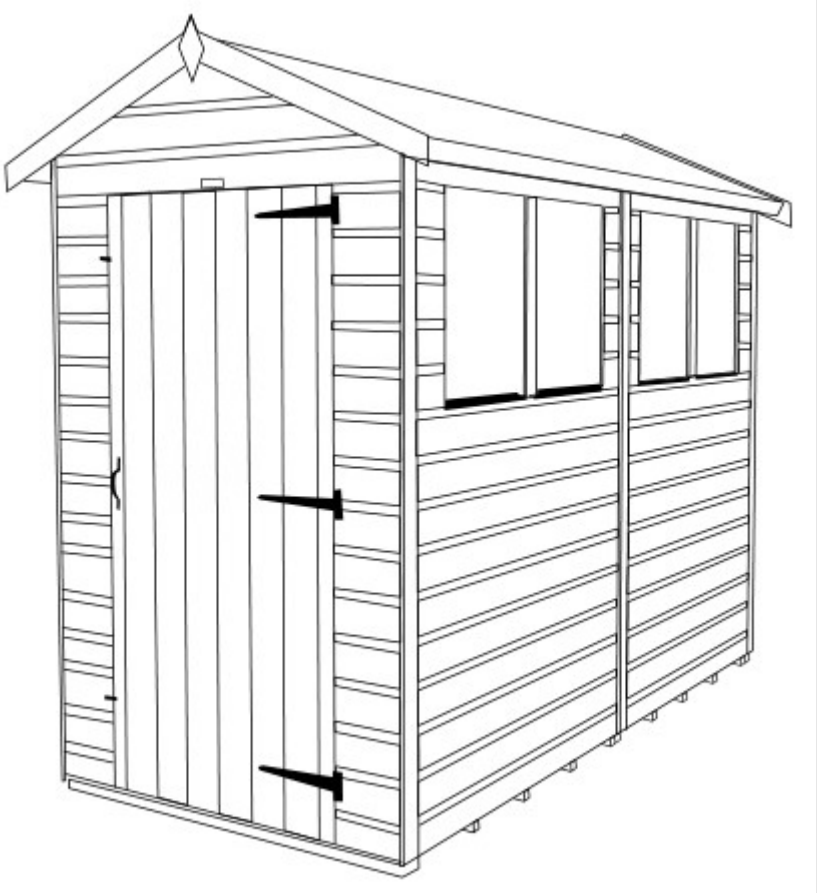
Power



Power Apex

Product Instructions

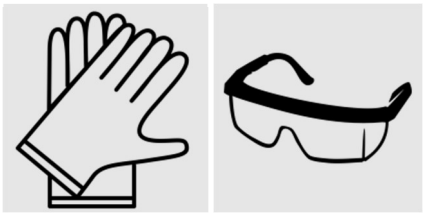
Before you start

Most accidents are the result of negligence and carelessness, usually caused by the failure of the operator to follow simple but necessary safety precautions.

Do **not** install the garden building before carefully reading this manual.

Health and Safety

Every effort has been made during the manufacturing process to eliminate the prospect of splinters on rough surfaces of the timber. You are strongly advised to wear gloves when working with or handling timber. We also strongly advise you to wear safety glasses when installing the felt to protect your eyes.



Power Sheds Ltd cannot be held responsible for any damage or injury sustained due to incorrect unloading, unpacking, or assembly of any of our products.

2 persons recommended

Our treatment

Contains: IPBC (3-iodo-2-propynyl-N-butyl carbamate) and propiconazole. Wear gloves when handling freshly treated wood. Avoid breathing dust when cutting treated or untreated wood. Dispose of off-cuts responsibly – do not burn.

May produce an allergic reaction (EUH208). Causes serious eye irritation (H319)Wash skinthoroughly after handling(P264)Wear protective gloves/protective clothing/eye protection/face protection (P280)IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338)If eye irritation persists: Get medical advice/attention (P337 + P313)

Tools required (not supplied)

Drill

Spirit level

Hammer

Stanley knife

Stepladder

Timber

As timber is a natural product, it is prone to changes in appearance, including some movement, warping and splitting, particularly in extreme weather conditions. There may be the occasional split, knot or similar visual imperfections in the timber. Whilst every effort is made to hand pick timber without visible knotholes or splits there may be occasions where timber is selected in good faith that contains what appears to be a solid knot which over the course of time / during movement of the product it may occur that these small knot holes are then dislodged from the timber leaving a small knot or crack. Unfortunately, we cannot be held responsible for this maturing of the product and can only offer our best advice as how to deal with this situation in the unlikely event that it should occur which would be to apply some wood filler to the area affected or in extreme circumstances to change the board over.

None of this should affect the structural integrity of the product.

Firm and level base

If you have ordered our Power Base, then please turn to page 16 for installation instructions.

All of our garden sheds require a firm and level base. When thinking about where the garden building and base is going to be constructed:

- Ensure that there will be access to all sides for maintenance work and annual treatment.
- Remember not to place the base too close to any walls or fences, as there may be a slight overhang on the roof of the garden building which may come into contact with the wall or fence.
- Ensure the base is level and is built on firm ground, to prevent distortion. Refer to PowerSheds.com for base dimensions.
- Consider when placing the base next to trees or large bushes as this could cause problems from overhanging branches, especially if these are likely to grow and come into contact with the building in the future and could cause the felt to rip.

The base is slightly smaller than the external measurement of the building, i.e. The cladding should overlap the base, creating a run for water. It is recommended that the floor is at least 25mm above the surrounding ground level to avoid flooding.

If you have not chosen to purchase our Power Base then other suitable bases would include a concrete base (75mm of concrete on top of 75mm of hardcore) or a paving slab base (slabs laid on top of 50mm of sharp sand).

Component checklist

	4x4 Floor	2x4 Floor	4x6 Floor	2x6 Floor	Blank Panel	Window Panel (or additional blank panels if 'windowless' version)	2ft Blank Panel	Door Panel (may be double doors)	Roof Panel (for 4ft wide)	2ft Roof Panel (for 4ft wide)	Roof Panel (for 6ft wide)	2ft Roof Panel (for 6ft wide)	4ft Gable top	6ft Gable top
														
4x4	1	0	0	0	2	1	0	1	2	0	0	0	2	0
6x4	1	1	0	0	2	1	2	1	2	2	0	0	2	0
8x4	2	0	0	0	3	2	0	1	4	0	0	0	2	0
10x4	2	1	0	0	3	2	2	1	4	2	0	0	2	0
12x4	3	0	0	0	4	3	0	1	6	0	0	0	2	0
14x4	3	1	0	0	4	3	2	1	6	2	0	0	2	0
16x4	4	0	0	0	5	4	0	1	8	0	0	0	2	0
18x4	4	1	0	0	5	4	2	1	8	2	0	0	2	0
20x4	5	0	0	0	6	5	0	1	10	0	0	0	2	0
4x6	0	0	1	0	2	1	2	1	0	0	2	0	0	2
6x6	0	0	1	1	2	1	4	1	0	0	2	2	0	2
8x6	0	0	2	0	3	2	2	1	0	0	4	0	0	2
10x6	0	0	2	1	3	2	4	1	0	0	4	2	0	2
12x6	0	0	3	0	4	3	2	1	0	0	6	0	0	2
14x6	0	0	3	1	4	3	4	1	0	0	6	2	0	2
16x6	0	0	4	0	5	4	2	1	0	0	8	0	0	2
18x6	0	0	4	1	5	4	4	1	0	0	8	2	0	2
20x6	0	0	5	0	6	5	2	1	0	0	10	0	0	2

	4ft Truss	6ft Truss	Bargeboard (for 4ft)	Bargeboard (for 6ft)	Diamond Finial	1790mm heavy duty bearer	1190mm heavy duty bearer	Cover lat	Felt	Fixing pack
										
4x4	0	0	4	0	2	0	2	4	8ft Piece	1
6x4	1	0	4	0	2	0	2	6	12ft Piece	1
8x4	1	0	4	0	2	0	2	6	16ft Piece	1
10x4	2	0	4	0	2	0	2	8	20ft Piece	1
12x4	2	0	4	0	2	0	2	8	24ft Piece	1
14x4	3	0	4	0	2	0	2	10	(2x) 14ft Piece	1
16x4	3	0	4	0	2	0	2	10	(2x) 16ft Piece	1
18x4	4	0	4	0	2	0	2	12	(2x) 18ft Piece	1
20x4	4	0	4	0	2	0	2	12	(2x) 20ft Piece	1
4x6	0	0	0	4	2	2	0	4	8ft Piece + 4ft Half Piece	1
6x6	0	1	0	4	2	2	0	6	12ft Piece + 6ft Half Piece	1
8x6	0	1	0	4	2	2	0	6	16ft Piece + 8ft Half Piece	1
10x6	0	2	0	4	2	2	0	8	20ft Piece + 10ft Half Piece	1
12x6	0	2	0	4	2	2	0	8	24ft Piece + 12ft Half Piece	1
14x6	0	3	0	4	2	2	0	10	(2x) 14ft Piece + 14ft Half Piece	1
16x6	0	3	0	4	2	2	0	10	(2x) 16ft Piece + 16ft Half Piece	1
18x6	0	4	0	4	2	2	0	12	(2x) 18ft Piece +18ft Half Piece	1
20x6	0	4	0	4	2	2	0	12	(2x) 20ft Piece + 20ft Half Piece	1

The fixing pack

Your fixing pack will include:

- 25mm screws (silver)
- 35mm screws
- 50mm screws
- 70mm screws
- Clout nails (for the felt)
- 40mm galvanised nails

If you have ordered a Power Base, you will also receive 80mm screws

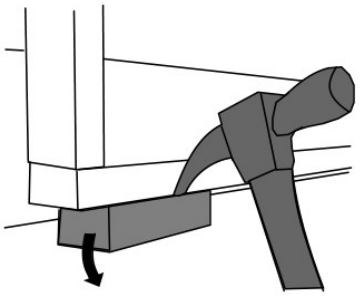
Pre Assembly

1. Safely unpack your components and check that you have all the parts required. Please use the table in the two previous few pages to view which components are required for the size you have ordered.

2. Carefully remove the pallet and any untreated packing timber. See the aftercare section on ways to recycle these items or alternatively you can discard them.

USEFUL TIP! – Re-treat the underside of the floor before assembly for additional protection and maximum longevity.

3. Remove any transport blocks from the bottom of the blank and window panels. These are there to offer further protection to the bottom board of the panel.



Drilling

In the instructions we will talk about screwing panels together. We recommend this is done with a drill. Here, we suggest that you pre-drill the timber with a 3mm drill bit before inserting the screws. This will minimise the chance the timber will split.

Floor

1. Lay down your floor panel(s) onto your firm and level base into the desired position of your shed. Be sure to consider any overhangs on the shed when deciding the correct position as per the instructions regarding bases in the 'before you start' section.

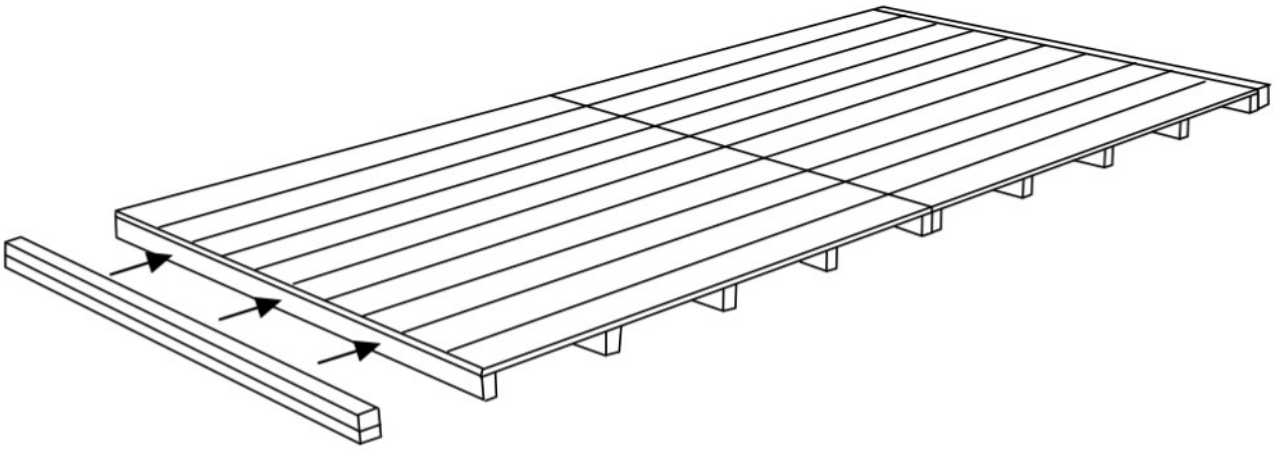
2. Turn the floor sections upside down so that the floor bearers are facing up and the floor boards are running in line with each other. Join the floor panels together using the 50mm screws provided. At this stage you can also screw the two 'heavy duty bearers' which are two pieces of framing joined together, to each gable end (the end where the triangular 'gable tops' will go later'). Join the bearers by screwing the through the floor joists first so the screw goes as far into the bearer as possible.

    a. For 4ft wide Power sheds (4x4, 6x4, 8x4, 10x4, 12x4, 14x4, 16x4, 18x4, 20x4) use the 1190mm heavy duty bearer provided.

    b. For 6ft wide Power sheds (4x6, 6x6, 8x6, 10x6, 12x6, 14x6, 16x6, 18x6, 20x6) use the 1790mm heavy duty bearer provided.

Once screwed together, turn the floor the correct way up. Note – the method of turning the floor over is suitable for sheds up to 12ft long. If the shed is over 12ft long then you may struggle to turn the whole floor over without damaging the floor. For floors over 12ft long this method should be followed but to do it in two halves.

USEFUL TIP! – If you have purchased a POWER Base you can screw the floor to the timber POWER base below for maximum strength and security.



Door

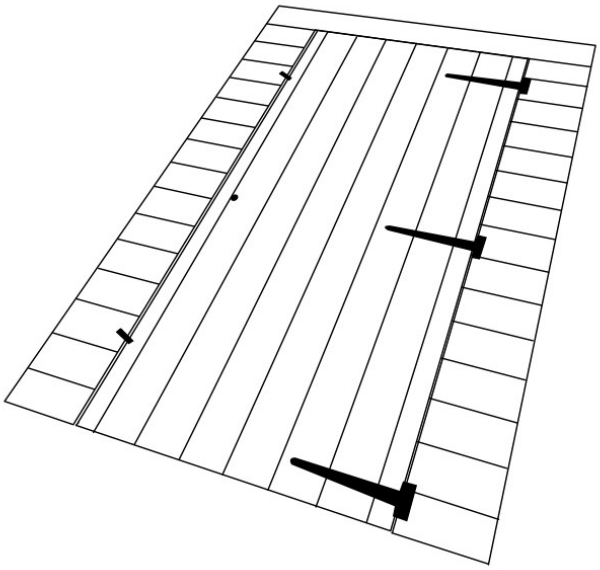
1. Your shed will either come with a single door or a double door depending on what you selected when ordering. Double doors are already hung on the door panel. However, for a single door you will need to hang the door.

For a single door you can choose which way round to hang it – left hand or right hand.

(note – if you choose a left hand hinged door then the lock has to be unscrewed and positioned the correct way round as it will be upside down)

2. For a single door, lay the door panel on the floor (you can lie it on the shed floor if you wish). Line up the door onto the framing so that it is square. The door should be positioned closer to the side where the hinges go. Make sure the lock is on the inside of the shed when the door is closed. Secure the hinges in place using the 25mm screws provided.

3. Choose two places on the door to secure your two turn buttons – one towards the top, one towards the bottom. For double doors a turn button will already be secured. Be careful not to screw this too tightly or it will not turn.



Important – make sure the door is unlocked before the next stage or once you have assembled the side walls you will not be able to get in your shed. The key is screwed to the back of the door

Walls

1. Your shed will come with a number of wall sections. The quantity of these will depend which type and size you ordered – there could be 4ft Blank Panels, 2ft Blank Panels, 4ft Window Panels (unless you have selected the windowless version), and a door panel (which could be a single door or double door). Please see the components table to confirm which panels you should have for your Power Apex shed.

2. Lay out the wall panels in the configuration you want for your garden building. The blank panels, door panel and window panels can go in any position.

We give you the 'power' to choose how you want your shed

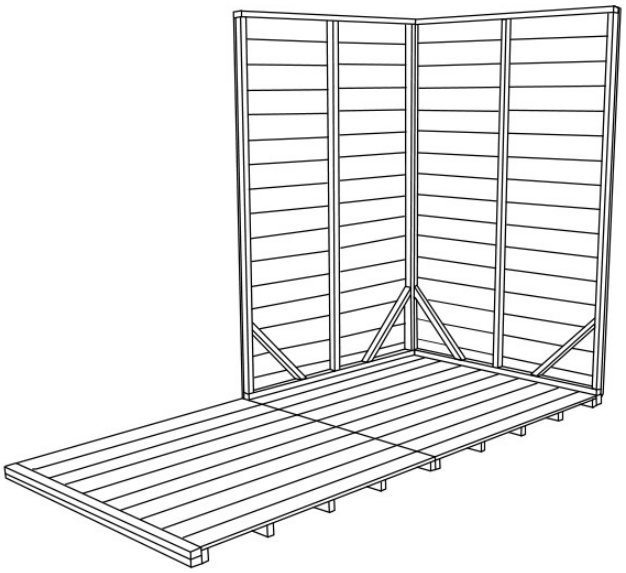
Note – trusses (discussed later) will be positioned in line with the joins in the wall panels, so ensure these joins match on opposite sides (this is important if your shed comes with 4ft and 2ft wall panels).

3. Start with the 4ft panel that will be part of your gable end – position this on top of one of the heavy duty bearers which you attached in the previous section. Ensure the side of the panel is flush with the side of the floor.

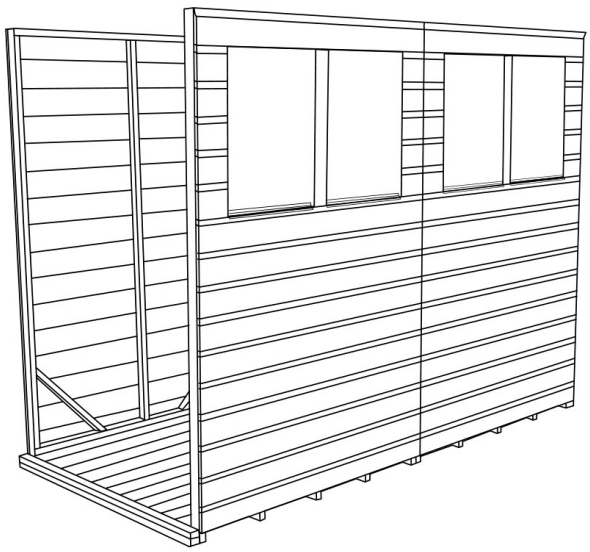
4. If your Power shed is 6ft wide (4x6, 6x6, 8x6, 10x6, 12x6, 14x6, 16x6, 18x6, 20x6) then you will need to position one of the 2ft blank panels next to the 4ft wall panel you have chosen to complete the 6ft gable end. Secure these panels together from the inside using the 50mm screws provided. Use three screws per join.

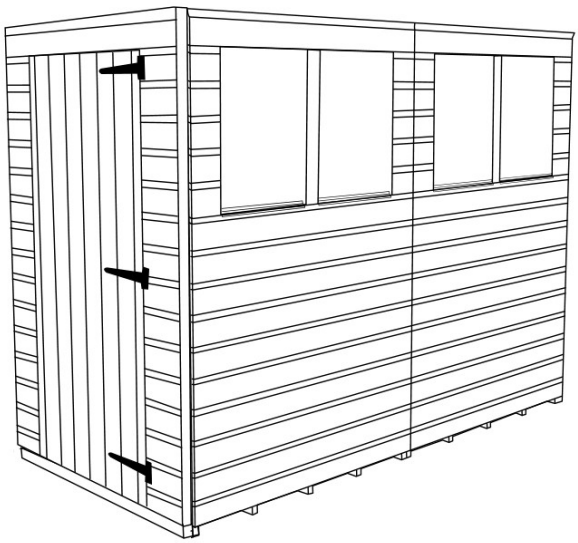
Important! – When securing panels together ensure they line up at the top (so the building is square) and that only the ends of the cladding are shown, which will later be covered with corner strips). This is only in the corner when the side meets the gable.

5. Place another wall panel at a right angle to the gable end wall panels for the side walls and again secure using the 50mm screws provided.



6. Continue doing this to place all remaining wall panels in position.





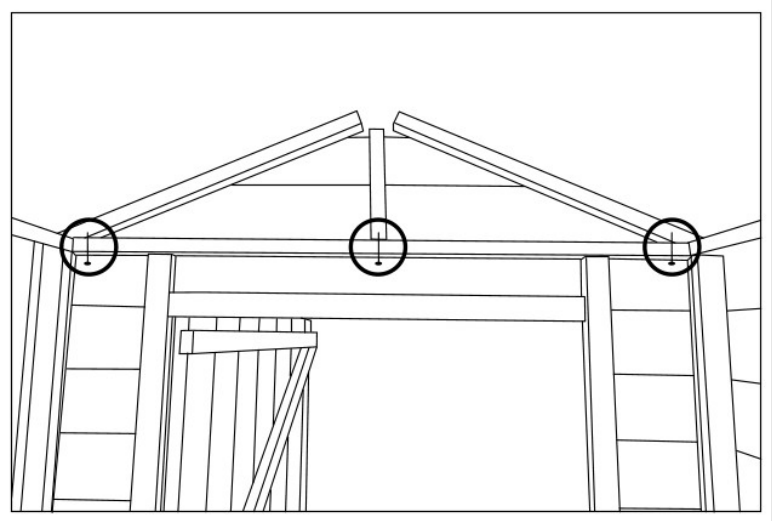
7. When you have secured all the wall panels (door panel, 2ft and 4ft blank panels, window panels) you then need to secure these to the floor using 70mm screws provided. Screw approximately into the floor with 2x screws for every wall panel (internally) ensuring the screws are driven through the framing at the bottom of the side/gable walls, through the floor boards and into the floor joists.

USEFUL TIP! – You can work out the position of the floor joists from the location of the existing nails in the floor

Gable Tops

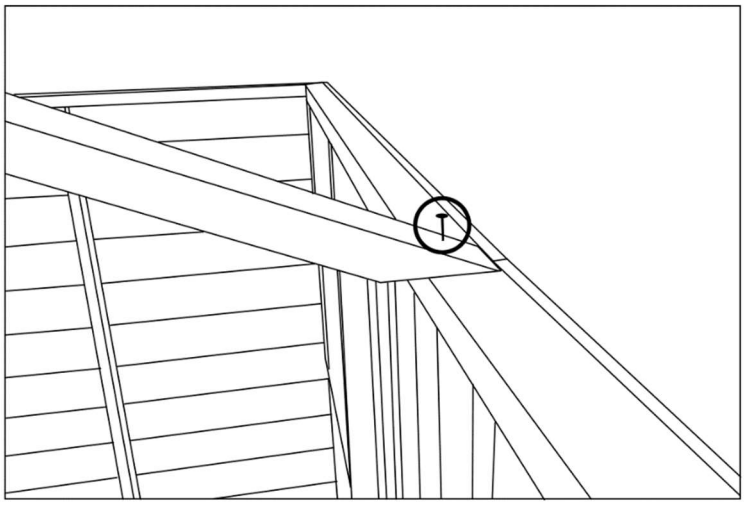
1. Line up the gable tops with the panels at the gable ends (the ends where you attached the ‘heavy duty bearers’).

2. Secure them to the wall panels with 50mm screws from the inside, screwing upwards through the framing.



Trusses

1. The trusses should be attached to the side wall panels with 40mm galvanised nails. The trusses will line up with the joins in the side wall panels. Ensure the end of the truss goes to the outer edge of the framing on the side walls and not the cladding (so the roof will sit right). Nail down through the truss and into the top of the side walls. Please note: You will not receive a truss for a 4x4 or 4x6 shed.



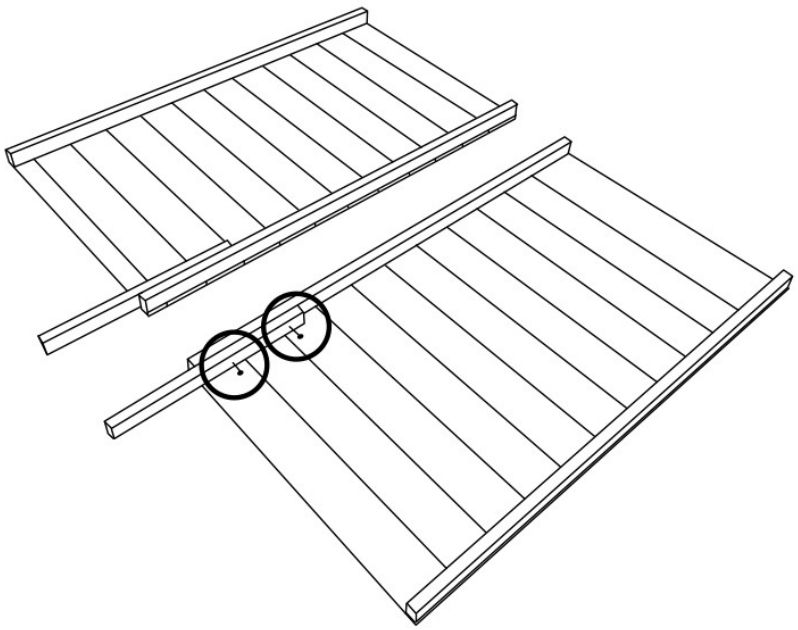
Roof

1. Depending on the size building you have ordered, your roof panels will be 600mm, 1190mm or 1302mm long.

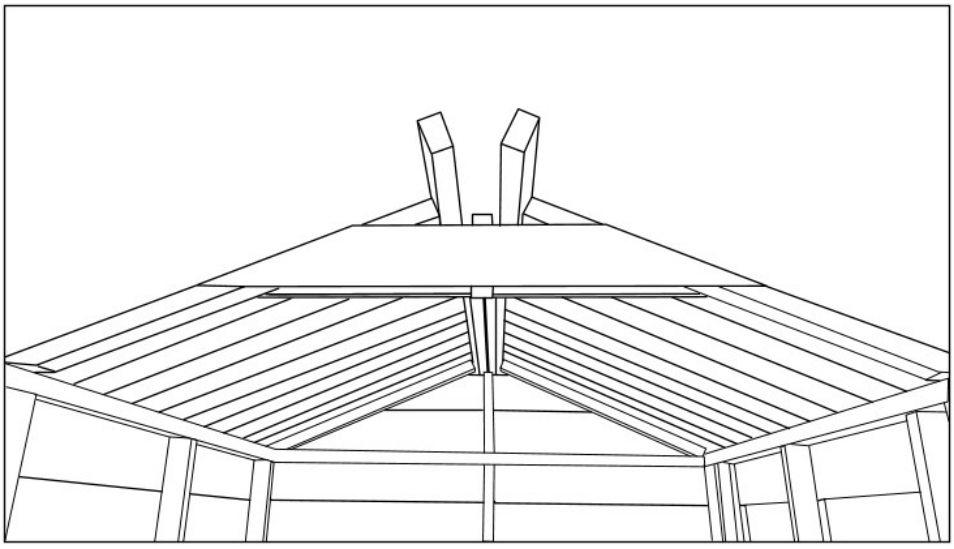
- 4x4 / 4x6 Power Apex – (2x) 1302mm long roof panels
- 6x4 / 6x6 Power Apex – (2x) 1302mm long roof panels, (2x) 600m long roof panels
- 8x4 / 8x6 Power Apex – (4x) 1302mm long roof panels
- 10x4 / 10x6 Power Apex – (4x) 1302mm long roof panels, (2x) 600m long roof panels
- 12x4 / 12x6 Power Apex – (4x) 1302mm long roof panels, (2x) 1190m long roof panels
- 14x4 / 14x6 Power Apex – (4x) 1302mm long roof panels, (2x) 1190m long roof panels, (2x) 600mm long roof panels
- 16x4 / 16x6 Power Apex – (4x) 1302mm long roof panels, (4x) 1190m long roof panels
- 18x4 / 18x6 Power Apex – (4x) 1302mm long roof panels, (4x) 1190m long roof panels, (2x) 600mm long roof panels
- 20x4 / 20x6 Power Apex – (4x) 1302mm long roof panels, (6x) 1190m long roof panels

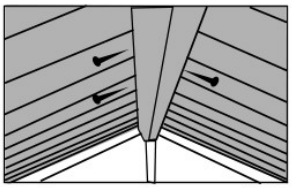
2. In general, the 1302mm roof panels will go at each end of the roof with the other roof panels central. This will ensure the joins in the roof panels line up with the joins in the wall and the roof trusses and the slightly longer 1302mm roof panels will mean there is an overhang at each end (except on the 4x4 and 4x6 Power Apex where there is no roof overhang). The only time the roof panels won't line up with the truss and join in side walls is if you have positioned a 2ft side wall panel at one end – in this occurrence, the truss will line up with the join in the side walls panels but the join in the roof panels will be slightly offset to the truss.

3. There are batons to help join the roof panels together. If you start by joining the batons to the roof panels with 50mm screws as per the diagram below, and then place the roof panels in position (the roof panels are universal so can go on either side).

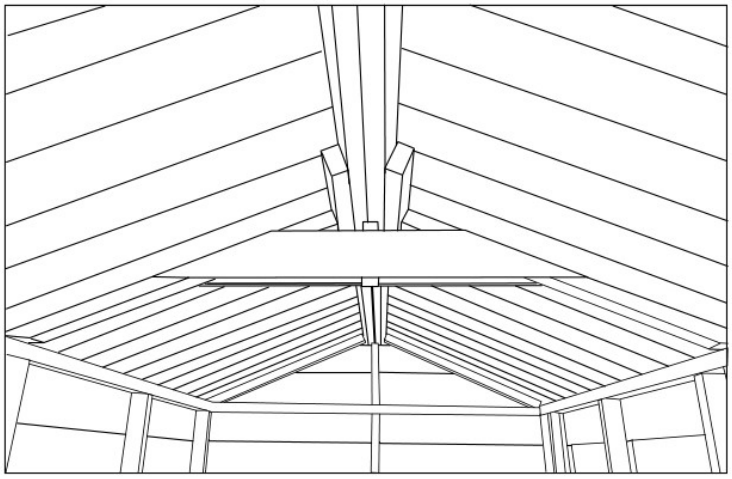


4. Start at one end placing a roof panel at each side and screw the roof panels together (internally) using 70mm screws.





5. You can then work down the roof adding and joining roof panels to the baton on the adjoining roof panels with 50mm screws and joining the roof panels to each other with 70mm screws until all the roof panels are on. There should be 6x screws joining the roof panels together every 4ft.



6. Ensure the roof panel overhang at each end of the shed is even – there should be an approx. 56mm overhang at each end. (note – there will be no roof overhang at the gable end on the 4x4 or 4x6 Power Apex). Then, screw the roof panels to the side wall panels with 50mm screws (ensuring you screw down in to every upright piece of framing on the side walls) and screw the roof panels into the gables at each end with 35mm screws (4x screws for each gable)

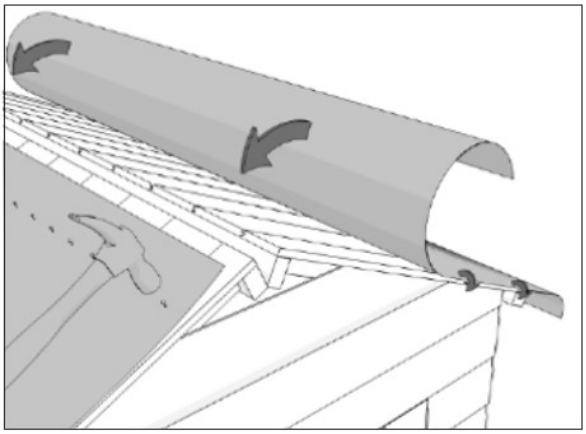
7. The roof now needs attaching to the trusses (if there are trusses). To do this, screw down through the roof panels and into the truss from the outside with 35mm screws ensuring there are 8 screws per truss (4x on each side).

Felt

Health and Safety – Use safety goggles when installing the roofing felt.

1. Roll out the mineral roofing felt along the lower part of one side of the roof. Allow for sufficient overhang to fold down onto the roof framing (but not the underside of the roof).

2. Use clout nails to tack along the top edge of the felt and into the roof boards. Repeat this process on the other side of the roof.



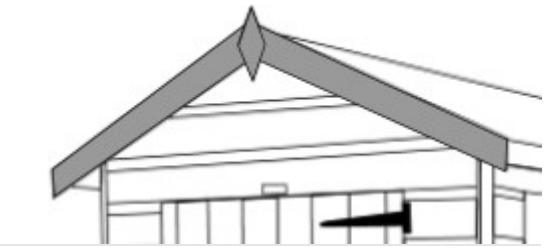
Health and Safety – Use Step Ladders to put on the roof felt but do not climb on top of the roof. Ensure there is a second person to support you when using a ladder.

3. If you have ordered a Power shed which is 6ft wide (4x6, 6x6, 8x6, 10x6, 12x6, 14x6, 16x6, 18x6, 20x6) then you will receive an additional piece of felt to then go on the ridge of the roof. This can be secured to the roof using clout nails.

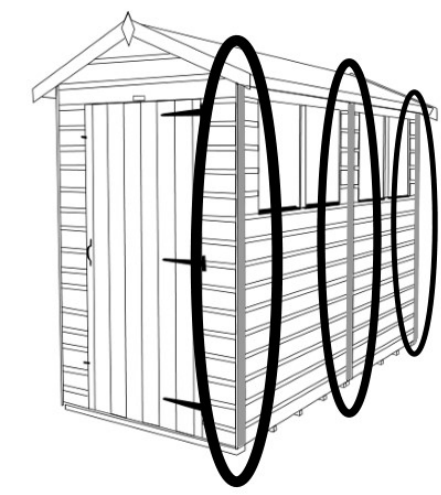
4. Fold the overhanging felt at the gable ends under the roof boards and tack into place. Note - The 4x4 and 4x6 Power Apex roof panels will finish flush with the gables and so the felt will not tuck under.

Finishing touches

1. Using the 40mm galvanised nails, fit the bargeboards to the roof panels and secure the diamond finials over the top of the bargeboards.



2. Secure corner strips at each corner of your Power shed with 40mm nails (at least four per strip). Extra strips are provided to cover any joins between side wall panels.



3. Secure the door pull to the door with 25mm screws.

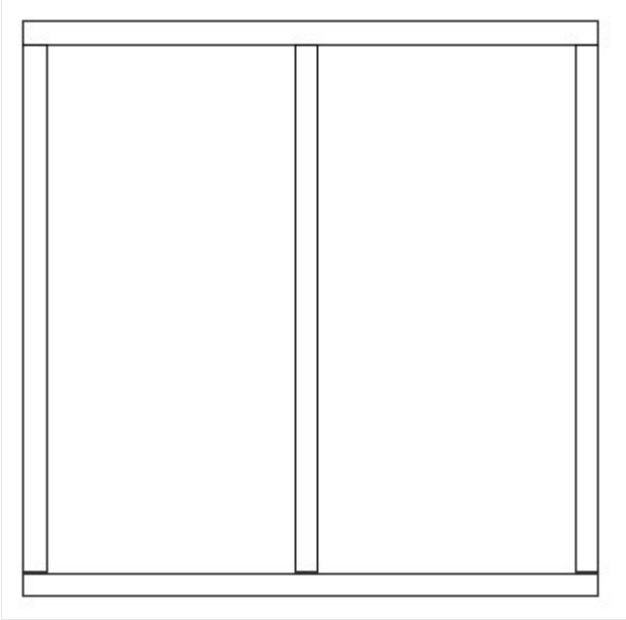
4. Peel the protective blue sticker off the Power branding plate above the door.

Power Base Installation Instructions

1. The Power Base will be made up from the pressure treated timbers in the pack (this is the 100mm x 50mm timber).

Note – for any time you screw some timber together, we suggest that you pre-drill the timber with a 3mm drill bit before inserting the screws. This will minimise the chance the timber will split.

2. Layout the timber as per the diagram below – you will have one timber frame section per floor panel. The timber should be 100mm high and 50mm wide (therefore the floor of the shed will be 100mm off the ground)



3. Screw the timber together using the 80m screws one floor section at a time. Once all the floor sections are complete you can screw each floor section together. There will be two bearers to screw at each end.

4. Measure the constructed base from corner to corner ensuring the base is square. The two measurements from corner to corner should be equal.

5. Now is the time to attach the wooden stakes. Ensure the base is positioned exactly where you want it and on the inside of the highest corner, drive the wooden stake into the ground at the with a hammer. We would recommend placing some scrap timber between the stake and the hammer to stop the stake being damaged when hammering it.

6. When you are happy with the height of the stake, secure this to the base with the 80mm screws.

7. Repeat this process in all other corners by going to the next highest corner of each base section - 4 stakes per base section. Keep ensuring base is level using a spirt level until all corners have their stake attached and in the ground.

Power Aftercare and Maintenance

Seal your windows

We would recommend windows are sealed externally with the application of silicone, putty or any other 'water tight' solution at your own preference.

Shed preserver

All of our sheds come with our Power preservative. It is important however that you re-treat your Power shed with a high quality wood preserver and re-treat annually. Take extra care to brush treatment into all wooden components inside and outside.

Feel free to change the colour of the building giving you the 'power' to style it your own way.

Check your base

Although your base should be level at the time of assembly, some bases can move over time and if you find this occurs then the building can twist or door may not close properly. If such occurrences you may need to pack up the base to keep the building level.

What to do with your pallet

Here at Power we understand the importance of recycling which is why we delivered to you on a recycled pallet. 90% of waste timber ends up in landfill. We would love to see you to repurpose your pallet (or even your old shed) into something useful. Here are a few ideas on what you can do with your pallet:

- Pallet furniture
- Pallet shelving
- Pallet shoe rack
- Pallet bar stand
- Pallet pathway
- Pallet flower box

Please take photos of what you have produced with your pallet and share on social media and raise awareness – and don't forget to tag us in!

Returns

If Power is not for you and you'd like to return your shed within 14 days of delivery then we will collect the item from you without charging a collection fee. No fuss, no fees!

All we ask is that you do not unpack the shed or take the shed off the pallet. You will be able to see the shed panels on the pallet if you want to double check the quality of the shed panels.

You need to notify the company you ordered your garden building from to arrange a cancellation or return.

If you have unpacked the shed or taken the shed off the pallet, then you can still return the product to us providing it is within 14 days of delivery but you will have to cover the cost of returning the item. This will either need to be arranging the delivery yourself (to our manufacturing unit in West Yorkshire) or repacking and securing the goods back onto the pallet and we can arrange a pallet delivery for you. The cost of this will depend on your location and the item bought – please contact us if you would like us to advise the cost of this. In this case we will not profit from any courier charges but simply pass on the cost we receive to you.

Any delivery surcharges you have paid (such as a quicker delivery, Saturday delivery, or a timed delivery) will not be refunded.

Once your item has been returned it will be checked to ensure it is complete and in a re-sellable condition. If we deem that the product is not in a re-sellable condition we shall deduct a reasonable amount to cover any costs to use or return them to you.

Where a refund is to be paid we will usually refund any money received from you using the same method originally used by you to pay for your purchase.

Problems

If you have any issue with your shed then you can:

- Check out our FAQ page on www.PowerSheds.com
- Contact us via the telephone number on the www.PowerSheds.com website
- Email us at hello@PowerSheds.com
- Write to us at:

Powersheds Ltd, Unit 7, Wharfedale Road, Euroway Trading Estate, Bradford, BD4 6SG