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and Disassemble!!!! Compares 6Ah and 4Ah Ryobi and 'knock off' batteries. Results differ on the capacity loss between the 6 & 4. I would expect that the Ryobi would have a longer life. My oldest Ryobi batteries are still going fine, dated 2012. Same here... and around the same age. One of my chargers literally popped and released "the smoke of electrical death" a few months ago. PngNeply writes:... Who knows if the devices are genuine battery (like printers), TSQ writes... I would expect that the Ryobi have a longer life. My oldest Ryobi batteries are still going fine, dated 2012. Same here... and around the same age. One of my chargers literally popped and released "the smoke of electrical death" a few months ago. PngNeply writes:... Who knows if the devices are chipped and can detect a non genuine battery (like printers). I know the tools I have are not.The batteries are probably smarter than the tools with some reasonably sophisticated charge monitoring and battery protection circuitry which may or may not be as good in third party products. Can you charge the Ozito battery, with the adaptor in a Ryobi charging unit? yeah, nah, maybe writes... Can you charge the Ozito battery, with the adaptor in a Ryobi charging unit? I would suspect quite likely not.The chargers include a temperature monitoring system which could be different between brands.The Ryobi batteries seem to be three terminals, +, - and temp. I don't have an Ozito battery, but I've seen some others with 4 terminals. I got one of these off Amazon a few months ago.Energup P108 Lithium Battery 18V 5000mAh with Recharge Indicator for Ryobi 18-Volt ONE+ Tool P102 P103 P104 P105 P107 P108 P122 cm. sw. r. cp. apa. 1 Yu8BDYAXT1YP It worked like a charm. It has a battery indicator that works and the charge levels are on par with the Ryobi 5Ah I got. Used this together with my 5Ah Ryobi battery in my 18V Ryobi mower which needs 2x batteries. So far no issues in it, either using or charging. One of my Ryobi 5Ah battery died after 2yrs of ownership. So never going to buy Ryobi originals anymore. the other option is to get a battery adaptor if you have other tools – ive got quite a few ryobi, and really regret the tightarse purchase instead of going makita – the ryobi are usually adequate, but there is a world of difference between the 4ah ryobi runtime i get and a makita 4ah runtime. TSQ writes... Compares 6Ah and 4Ah Ryobi and 'knock off' batteries Well I have the 5Ah batteries and unlike him I took apart the ryobi battery to compare , the ehay one was better built than the ryobi Ryobi has been brilliantly marketed but it's only average gear.Even when it was Japanese owned and made it was a rung below the other Jap brands and two rungs below the Germans. swampfox writes... it's only average gear. Suitable for average domestic use Also I think you would be hard pressed to find any domestic garden product with a better warranty than system swampfox writes... but it's only average gear. I think it is fair enough to say that every tool manufacturer has tools that are better or worse than others.I wouldn't assume that some tool I've not seen is automatically better than Ryobi or Ozito etc just because it's Dewalt. Makita or whatever. Probably the best thing about Ryobi is the range, they are more likely to have something another manufacturer doesn't. paulm1au writes... Suitable for average domestic use It's actually overpriced for what it is. Also I think you would be hard pressed to find any domestic garden product with a better warranty system A bloke who imported stuff told me several years ago that the \$99 petrol chainsaws are good for about 20 or 25 hours of work, but in the great majority of cases those hours won't be reached until after the warranty has expired. The same applies to a lot of mass market stuff, a good warranty boosts sales and increases profits and the returns and repairs are just a cost built into the price. swampfox writes... The same applies to a lot of mass market stuff, a good warranty boosts sales and increases profits and the returns and repairs are just a cost built into the price. True but the fact remains that things do fail. I'm a tradesman and only buy quality tools for my trade, in 30 years of self employment I've never had to use a warranty. I've got 20 year old tools used regularly which have never needed repair and still perform up to spec. Surely having them swapped new for old on the spot is much better for the customer than sending them away for repair. The fact that Bunnings can and will do this speaks volumes for the profits being made. swampfox writes... I'm a tradesman and only buy quality tools for my trade, in 30 years of self employment I've never had to use a warranty. I've got 20 year old tools used regularly which have never needed repair and still perform up to spec. I fully agree that Ryobi is not appropriate for trade work. TSQ writes... Probably the best thing about Ryobi is the range, they are more likely to have something another manufacturer doesn't. A big range all using the same batteries, which is a big selling point. Consumers buy into the eco system largely because it's affordable and readily available. Bunnings is everywhere after all.After initially buying a couple they then only need skins, but after buying a few skins they are locked into replacement batteries, chargers and sooner or later replacement skins, and on it goes.Hence this thread, "are knock off Ryobi batteries any good". It's brilliant marketing, and highly profitable. I have a blue ryobi drill its nearly 20 years old came with nicad batteries the new ryobi batteries still fit it I have other brand drills (dewalt hitachi panasonic) the new batteries for them do not fit the old drills and the price of the batteries to fit them is way more than a new drill , I have brushless ryobi gear and its every bit as good as the other brands it is also much more expensive than the brushed range so it seems they now have two levels of gear. paulvk writes... I have a blue ryobi drill its nearly 20 years old came with nicad batteries the new ryobi batteries still fit it You've sure got a lot of drills. What voltage is the Ryobi? Revivor2011 writes... One of my Ryobi 5Ah battery died after 2yrs of ownership. So never going to buy Ryobi originals anymore. Electronics fail, regardless of brand. Making your mind up about an OEM battery brand for failing after 2 years is a bit rich. My Ryobi one+ battery died after 1 year 363 days, Bunnings changed it no problem which was lucky for me! I find the Ecosystem of Ryobi good for the drill (which is great) and the whipper snipper (which is very good) but the lawn mower lacks guts and stops all the time with a thick carpet of grass. I wouldn't recommend that. Willyeekerslike writes... but the lawn mower lacks guts and stops all the time with a thick carpet of grass. I wouldn't recommend that. Which one? Ryobi have several. Batteries – I've had a generic brand battery for a fairly old Bosch drill for ~18 months or so now and zero problems with it. Brand is "Abakoo". Ryobi – Only Ryobi stuff I've got is 3 x petrol powered items. No real problems with it apart from the vacuum bag on a blower vac being rather poorly designed for a handling perspective in my view (though others are probably much the same?). The oldest is over 20 years old and still going. Their stuff is really intended for trade use but for home use it's fine and with the bonus that parts are readily available online since it's a very common brand here and overseas. Makita – they've gone downhill yes. The most recent Makita tool I bought will definitely be the last. Less than 2 years old, a mains powered reciproc saw, and the thing gets too hot to hold (as in burn your skin – seriously too hot). Never had that sort of problem with other saws of that type. LMAO that people still think dewalt are "tradesman quality".They're more interested in selling clothes that tools.They're the "Harley Davidson" of the tool world... Cashing in on a bygone era. I've got 2 ryobi 4Ah batteries that are over 6 years old and they're always reliable and ready when I need them around the house. Line trimmer, hammer drill, grinder, circular saw, rattle gun, sander, all perfect for around the house. At work, all my personal tools are bosch (6 year tool AND battery warranty for trade use), but since they never come home, I certainly wasn't going to double up. The tools at work that go in for repairs most are the makita drills... a common one is to get chucks replaced. Soo many chucks. I'll definitely get more genuine ryobi batteries when mine die. 3 year warranty is fine for the price. blakamin writes... LMAO that people still think dewalt are "tradesman quality". Dewalt make the best 9" circular saw on the market. swampfox writes... What voltage is the Ryobi? 18v Yes have a number of drills was always cheaper to buy a new drill than get a new battery, \$20 more would get new drill and battery with warranty and they all had different batteries until I got the 18v ryobi and they stayed with the same style case.I think it would be great to be able to 3D print adapters. Willyeekerslike writes... but the lawn mower lacks guts and stops all the time with a thick carpet of grass. I wouldn't recommend that. Most people make the mistake of getting one of the pissweak mowers – IMO some of them arent merchantable as even small lawns if allowed to have weeds wont be able to be mowed by them. I bought the \$-600 one (With the non-oneplus battery) and it cuts pretty well on lawn even with weeds. paulvk writes... I think it would be great to be able to 3D print adapters. I have a 3d printer, and wont even bother. Anyway back on topic, for safety reasons I wont touch ebay batteries scared of overheating and other issues. (Esp I have two superchargers and my 7 batteries plugged in all the time in the shed) The \$300 on superchargers I consider an investment on battery life (and also for convenience). I did notice they now sell a 9Ah battery at Bunnings – I swear it was \$200 – might pick up one. paulvk writes... Yes have a number of drills was always cheaper to buy a new drill than get a new battery It's your call of course but I wouldn't be junking a Panasonic cordless and buying a Ryobi for the sake of battery compatibility. If you want to sell the Panny shoot me a PM. I've got a Dewalt drill about the same vintage as your old Ryobi still in more or less daily use, I've been using after market batteries in it for 10 years or more without issues. A pair costs about \$90, if the charger ever dies I'll think about replacing the drill but it's a very good piece of kit. The after market batteries vary considerably in both price and performance, I've found Powerextra to be one of the best and close to if not better than OEM. They probably do Ryobi knock offs. swampfox writes... Powerextra to be one of the best and close to if not better than OEM. I personally would feel more comfortable than a knockoff that has its own brandname than knockoff that has Ryobi branding. swampfox writes... Dewalt make the best NZ have an ad campaign for things like this... It was from a beer company called Tui.Yeah, right.... Back on your harley... :p paulvk writes... Yes have a number of drills was always cheaper to buy a new drill than get a new battery. That seemed to be the case back in the days of NiCd batteries, and of course there was never two products with the same battery, it was almost impossible then to get a new battery for an old tool. Although with one of my recent purchases, the Ryobi bypass lopper, the kit with the battery was \$50 less than the skin without it. I'm making no attempt to explain why, it just was. TSQ writes... That seemed to be the case back in the days of NiCd batteries, and of course there was never two products with the same battery, it was almost impossible then to get a new battery for an old tool. Agreed – the generic brand battery I've got was indeed for an old tool that was originally NiCd. New battery is NiMH and the only ones I could find were generic not OEM. blakamin writes... Back on your harley... :p Have you ever used a 9" Dewalt circular saw? Generally Dewalt are good quality tools. I have a couple, they are no better than Hitachi or Metabo but they are a cut above Ryobi and ahead of Ryobi's sister brand Milwaukee as well in my opinion. I bought a Milwaukee drill/driver kit on the recommendation of a cabinet maker I know, the driver is fine but the drill drops drill bits at random and has done since day one. Horses for courses, for average home use Ryobi does the job but no tradesman I know uses them. TSQ writes... That seemed to be the case back in the days of NiCd batteries, and of course there was never two products with the same battery. That's not necessarily a bad thing. The quality, ease of use and durability of tools across the range of every company making a wide range of tools varies from one tool to another. Panasonic make excellent cordless drills, Hitachi makes excellent routers, Metabo jigsaws are about the best in the business, as I mentioned earlier the Dewalt 9" saw is the best of the lot, Bosch make great side grinders but their jigsaws are very average. Festool and Rupes are premium tools across the range but priced accordingly.In my opinion a home owner planning on doing regular work around the home is well advised to buy the best tools that he can afford within a given category without regard to interchangeable batteries, they will still be doing their job well in 10 years and be much more satisfying and efficient to use during their lifetime. swampfox writes... for average home use Ryobi does the job but no tradesman I know uses them And that's the point... They're perfect home tools. Any tradesman that spent that little on tools deserves what they get. :) That said, my home ryobi tools have taken a hammering, but will never be as good as my bosch. blakamin writes... And that's the point... They're perfect home tools. To each their own, so long as they suit you then no one else's opinion really matters.I work for myself so any tools I need around the house I grab from my work vehicle, but that doesn't apply to other people and I get that. Garden gear I have Honda and Stihl. I buy it once every 20 years or so. swampfox writes... the drill drops drill bits at random and has done since day one. This is because the drill stops very quickly and it loosens, annoying but not a deal breaker for me. Horsehead76 writes... annoying but not a deal breaker for me. I just like tools to work as they should. I only use it now when I need two drills, day to day I use the old Dewalt. My experience with ebay ryobi batteries is that they are 90% as good as my original. On my grinder you can notice a very small amount of degraded performance when doing hard work but other tools like my inflator or drill you cannot tell the difference. swampfox writes... they will still be doing their job well in 20 years and be much more satisfying and efficient to use during their lifetime. For the home handyman who uses tools infrequently it's worth considering mains powered tools in some situations. For a drill batteries have a definite advantage but for any kind of saw, sander, grinder etc someone who's just doing work around their own house in the suburbs may well be better off with a mains powered (corded) tool. Reason = no time-based failure as with batteries, no need to worry about charging something that's used perhaps for one intense period every few years, cheaper so can afford a better tool as such. That's not going to work for everyone but it's an option that shouldn't be overlooked. It's different for a tradesman for whom time is money and they're going to lots of different jobs and so on. Smurf1976 writes... For the home handyman who uses tools infrequently it's worth considering mains powered tools in some situations. In almost all situations other than garden equipment in my opinion, an external power point front and back will cover just about any suburban block. cheaper so can afford a better tool as such. Yes, and generally more powerful and reliable, and no dead batteries to replace.Multi tools are a classic case of where mains power has it all over batteries, grinders and rotary hammers are others. To get the equivalent performance from battery tools in power hungry situations like those requires serious money.You also don't get locked into an eco system where you buy a particular brand because your batteries and charger are compatible, it's a much wider choice and you can just buy the best tool for the job at the best price. With all of the hysteria around battery tools there are some amazing bargains on the used market these days as people ditch corded stuff, I picked up an \$50 watt Metabo planer in perfect condition a few months ago for \$85.A steal. It's different for a tradesman for whom time is money and they're going to lots of different jobs and so on I'm a tradesman and the only battery tools in my kit are two drills and a driver, it's a few minutes to roll out a lead and roll it up at knock off time and you're got unlimited power all day long.I know a bloke who installs window shutters and for him battery tools are great, but for someone like me who sets up a cutting bench most days 240v wins by miles. You make very valid points, but batteries are all the rage. swampfox writes... Generally Dewalt are good quality tools. In my experience there's more difference between Dewalt tools than there is between Dewalt & Ryobi overall, or probably any brand and pair of brands. Most brands have something outstanding and a lemon or two. Smurf1976 writes... no need to worry about charging something that's used perhaps for one intense period every few years. With a range of tools I'm using my Ryobi something a few times most weeks, if not workshop tools probably something in garden tools. Most of the time I have a battery on the charger ready to go. TSQ writes... In my experience there's more difference between Dewalt tools than there is between Dewalt & Ryobi overall, or probably any brand and pair of brands. I only have a Dewalt cordless drill and a 240v circular saw both of which are very good, I can't really comment on the rest of their stuff.A plumber I work with often has bought into the Dewalt cordless system in a big way and seems happy with them. Most brands have something outstanding and a lemon or two. Which is a very good reason why people should avoid getting locked into a brand. Circling to this discussion very late but as a TAFE teacher/electrician and Ryobi owner I do have a genuine interest in the matter and can add my 20c worth. The Ryobi one plus tools are really home handyman quality but they offer a great range of skins at competitive prices. However I have had three Ryobi one plus batteries die on me in a fairly short timeframe so my view is that they are not particularly durable. I wouldn't recommend using them if subjecting them to more than intermittent use. If you can afford trade quality tools I would definitely recommend it because it's even more expensive to change a tool ecosystem midstream. As for brand my personal preference would be Bosch Blue but I certainly rate Hitachi, Panasonic and Makita tools. I frequently ask the apprentices what tools they're buying and the answer is overwhelmingly Milwaukee, and I tend to agree with them, they are excellent tools too. I also have a colleague who is heavily invested (both financially and emotionally) in Dewalt. What is interesting is that all three of these brands (Ryobi, Milwaukee, Dewalt) all share the same company ownership (Techtronic). I would have to say though that the different brand's tools must come out of different Chinese factories because there are some big differences in the specification of each of the brands. I'm about to purchase the generic lithium ion batteries suitable for the Ryobi one plus tools as I'm sick of paying premium prices for Ryobi batteries and not getting a premium product. Willyeekerslike writes... I find the Ecosystem of Ryobi good for the drill (which is great) and the whipper snipper (which is very good) but the lawn mower lacks guts and stops all the time with a thick carpet of grass. I wouldn't recommend that Exactly my experience as i too have a range of 18 V Ryobi gear. Batt Drill, Rotary Hammer Drill, Whipper snipper, Circ Saw, Mower, work lights. I have about 5 batteries that work on rotation, including a little 2.5Ah for when I am doing a lot of overhead work. I am a semi retired sparky and still do a bit here and there and Ryobi is fine. I cant comment on their ability if used full time everyday. Patrick W writes... However I have had three Ryobi one plus batteries die on me in a fairly short timeframe How did you go with warranty? Bunnings are normally very good with Ryobi stuff. colbunko writes... I cant comment on their ability if used full time everyday. I use mine pretty often, and can, at least anecdotally confirm they really arent suitable for daily use. If I was going to get new tools again I would go ryobi in a heartbeat, as price to performance is great....but proably go a tradesman brang for drill/impact drivers if I could find a good deal. Im glad I came across this thread, I'm after a basic 18v ryobi blower and didn't know whether to pick skin only or with the 5.0Ah battery included. \$90 difference for including a battery... thought about getting aftermarket ryobi batteries but probably not worth it. My drill currently has 2.5Ah battery and wouldn't be enough to run the blower for more than 5 minutes buzz01 writes... \$90 difference for including a battery. Good deal for 5Ah battery and charger. Do it I recently picked up a ebay generic battery similar to my powertool. The seller has 4Ah and 5Ah, price difference of \$2 so I 5Ah it is. The total come up to \$34.99 including free postage, which is about \$3.50 per cell for a 10cell 18V 5S2P battery pack. Anyway, my main goal is to shuck the cells and transplant them into my solar project. Being charged daily with an oversized panel, so I don't need too much capacity nor high discharge capability. So crap cells will work. I still put them to test in my RC battery analyser. In short these cells are only 2Ah cells, which makes the battery pack 4Ah instead of 5Ah. However, they can only sustain a 0.5C discharge rate. I cycled them a few more times the internal resistance are pretty low which suggest they are new cells but they just can't do more than 1A discharge. The voltage would drop down to about ~3.4V as soon as it is subjected to a 2A load. They are unsuitable for powertools which draws high current. The battery will spin your drill but performance will suffer when you start doing actual thing. For reference, the cells in my original 4Ah battery pack are Samsung UJ1700 rated at 35A discharge rate. They cost about \$8-\$12 each. They can hold voltage at 3.6V easily with a 5A load. So don't do it, buy original battery which is usually packed with LG, Samsung or Panasonic. They make great cells. In my experience, with the Ryobi 18V ONE + batteries, it is the onboard battery management system (BMS) that fails. What I do is open it up and then melt off all the electronic components on the printed circuit board (PCB) (surface mount stuff), and then I attach wires to the positive and negative ends of the PCB (the cells are mounted to the underside), and run them out through a hole I make in the case, so that I can charge the cells with a RC hobby vehicle battery charger (has options for cell chemistry and number of cells in series). Alternatively, I have an ebay adapter that fits on to the top of the Ryobi battery and has a positive and negative wire coming out of it. However, with the modification above, the cells will no longer be balanced, as that was one of the things the BMS did. So, I soldered balance wires to the cells, and then ran the wires out through a hole made in the case. The balance wires terminate to a JST plug (standard R/C hobby fitting), and that fits onto the pins for that purpose on my RC balance charger. The benefit of wiping the battery's BMS and using the RC balance charger is that the RC charger can show the voltage of each individual cell, measure the internal resistance of each cell, and also indicate how many Amp hours of charge has gone into the battery. The Ryobi charger is just a basic dumb charger. If the cells in the battery prove to be faulty, I remove them and replace them with new or tested recycled cells (usually from laptops). The cells in the battery are connected in series (and parallel if 5 Ah or more) by spot welds onto nickel strips. I carefully pull the strips off the cells, and then I spot weld the new cells on to the same nickel strips. The nickel strips are connected to the PCB. Sometimes I find Ryobi 18V ONE + batteries thrown out for the council to pick up from the curb, and usually the cells inside are fine, but it was the BMS board that failed (lots of electronic SMD components). So, using the method set out above, I can have a perfectly good battery for nothing! Page 2 yeah, nah, maybe writes... Can you charge the Ozito battery, with the adaptor in a Ryobi charging unit? I would suspect quite likely not.The chargers include a temperature monitoring system which could be different between brands.The Ryobi batteries seem to be three terminals, +, - and temp. I don't have an Ozito battery, but I've seen some others with 4 terminals. I have Ryobi and some others, and have tried many things but not blower vac. Line trimmer, forget it, a toy and you will go broke buying the cartridges, hedger is fine for anything I have used it on, but if it is a big job, I run the power lead for a much longer blade.... Blower vac, well I doubt it, just buy corded or a 200buck fuel one. I got a 4 stroke one for 220 a few months back, I have the ryobi blower too for small jobs, or blowing out the trailer or ute tray etc, or anything right near the back door, the petrol one gets used the most though. Blower will be heavy on battery, blower vac would be more so, you need good 4ah plus batteries, and you better buy a few and a few chargers or the bank charger, no good having handy tools buy waiting for batteries to charge I Circular saws suck battery juice too, as do angle grinders, and you cannot lean on them like corded ones... Drills, torches, multitools etc are fine, even with poor batteries, after markets etc Do not go to 36v unless wanting multiple systems. You also may want to look at Ozito, they make some similar things, but they also have a 36v range which is just 2 x 18v batteries, the batteries are also cheaper, smaller range, no multi bank charger (there is a double fast charger), but they are cheap enough to have both really. In fact, I would err on a dearer trade brand, as Ryobi now have some ridiculous pricing, getting close to Bosch and Makita, bosch drills run rings around Ryobis, both will last a long time, I have old blue Ryobis too, still working fine and same batt system, the older ones are better built too, like I said, too exp now and too much plastic IMO. Page 2 UZ3R writes... Over time I'll be getting a blower-vac, hedge trimmer and a drill. I think I'll go Ryobi because a chunk of my purchase is funded by bunnings gifts cards. I'd suggest Ryobi for your needs. They've got a massive range of power and garden tools, including a few brushless models if a bit more power is needed, and a six year replacement warranty on tools. I probably should have gone Ryobi but have mostly AEG stuff because they've had some great kit promos. While they've been great tools especially the 58v chainsaw and trimmer, AEG have been slow expanding they're range, and repair warranty means you're without the tool for some time.

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