# 2004-2018 BMW 6 Series - 12V Battery Replacement



**2004-2018 BMW 6 Series | Moderate | 30-90 minutes | $180 DIY**

**TOOLS**

10 mm wrench or socket, ratchet, and short extension  Battery terminal brush and electrical-safe cleaner  Memory saver only if the vehicle procedure permits it  Gloves, eye protection, and a small flashlight

**PARTS**

Replacement 12-volt battery for 2004-2018 BMW 6 Series; verify group size, CCA, terminal layout, and VIN fitment $180.00  Anti-corrosion terminal protectant or felt washers (optional) $8.00

## STEPS

1. **Confirm the correct battery for your 6 Series - Match the capacity, type, and terminal** layout to the label on your old battery - never downgrade from AGM to flooded. Photograph the old label; you will need its specs for registration.
2. **Park safely and open the trunk - Park the 6 Series on level ground, set the parking** brake, and switch the ignition fully off with the key out. Open the trunk and remove the right-side trim panel and battery cover to expose the battery. Put on gloves and eye protection. No...
3. **Expose the battery and inspect the IBS sensor - Photograph the terminal positions, the** hold-down bracket, and the vent hose. Handle that cable gently and do not damage its connector or wiring, since the car uses it to manage charging. Check both clamps for corrosion before loosening any...
4. **Disconnect the old battery, negative first - Loosen the negative (-) cable clamp nut with** a 10mm wrench and lift the clamp - IBS module and all - straight off the post; lay it where it cannot touch a terminal. Keep tools clear of body metal and never bridge the two posts.
5. **Remove the hold-down and lift out the old battery - Unbolt the hold-down bracket and lift** it clear, then disconnect the vent hose from the battery. Lift the old battery straight up and out of the trunk well - 50-plus pounds - and set it on the ground.
6. **Install the new battery and reconnect - Set the new battery into the well in the same** orientation, reconnect the vent hose, and reinstall the hold-down bracket securely. Clean the cable clamps, then connect the positive cable first and the negative cable with the IBS module seco...
7. **Register the battery and verify operation - This step is mandatory on the 6 Series: the** new battery MUST be registered to the car’s power management using ISTA or a compatible scan tool (select ’battery replacement: same capacity,’ or ’higher/lower capacity’ if the Ah changed) so th...

**TORQUE**

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