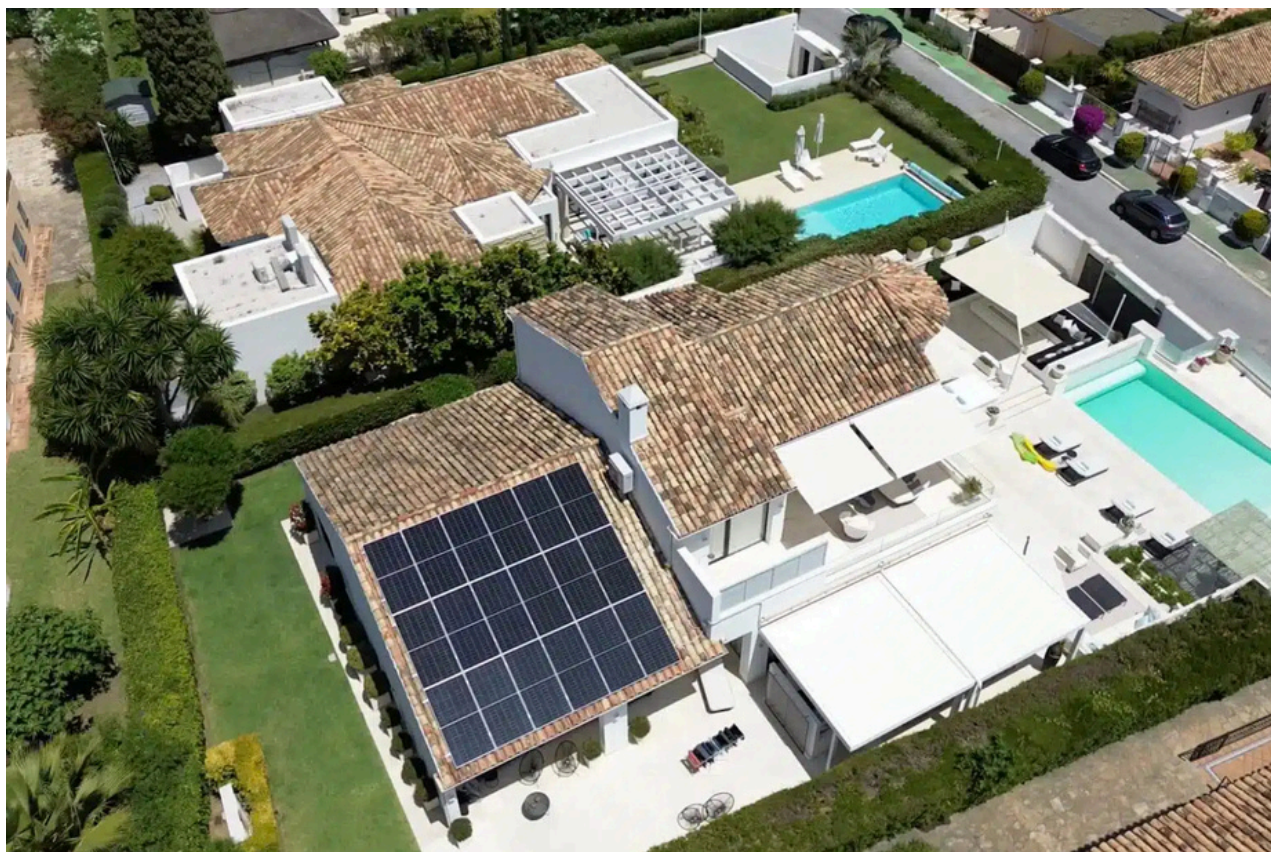


Power-Cut Protected Solar System

See inside the itemised quote provided for a solar installation in Marbella that's protected against power cuts and blackouts – even at night.



Description	Quantity
10.17kW Solar system with 10kWh battery storage	
Solar Panel JA Solar DeepBlue 3.0 Pro JAM72S30-565/LR (565W)	18
Inverter Huawei SUN2000-10KTL-M1 (11kW)	1
Battery Storage Huawei LUNA2000-10-50 (10kWh / 10kWh usable)	1
Sunfer MicroRail roof structure	18
Electrical materials (cable, breakers, fuses, etc.)	1
Roofing materials (chemical resin, water-proofing, fixings, etc.)	1
Transportation of materials	1
Installation & labour	1
Legalization	1
Testing & commissioning	1
Administration	1
Huawei Back-up box	1

5 Key Questions Answered

1

Do solar panels provide back-up power on their own?

No. During a power cut, a standard solar inverter automatically shuts down as a safety feature so it doesn't send electricity back to the grid while engineers may be repairing lines. To use your own power during an outage, you need dedicated backup equipment.

2

What is a backup box?

A backup box is an add-on unit installed alongside your inverter/consumer unit. It detects a grid outage and automatically switches your home from grid power to your own solar-generated electricity (and battery power, if installed). In simple terms, it's the "switch" that makes backup power possible.

3

Are all backup boxes the same?

No. Some are designed to power only essential circuits (a dedicated "backup loads" board), while others support UPS-style / whole-home backup setups with higher capacity and smoother switching. The right choice depends on whether you want to keep essentials running or aim for broader home coverage during outages.

4

Is there a difference between backup box brands?

All backup boxes do the core job: letting you use your own solar electricity during a power cut. We recommend Huawei because the switchover is extremely fast (so Wi-Fi and electronics are less likely to drop), and because Huawei offers UPS-style options. The alternatives typically cut out briefly or only support limited backup capacity, so if too many appliances run at once the backup can trip.

5

Do you need a solar battery for backup power?

Not necessarily – you can install a backup box without a battery, but you'll only have backup power during peak solar hours (typically 11-5pm). Marblanc Solar has installed systems like this, but most homeowners add a battery so backup power is available at night and during low-sun periods.