PRACTICAL PROCUREMENT REFERENCE | FOR DISTRIBUTORS, INSTALLERS AND BUYERS

Deye and Growatt Battery Compatibility: Exact Model Check

A practical model, voltage and communication check for distributors and installers.

The fast answer Deye-compatible or Growatt-compatible is not a complete specification. The exact inverter suffix, battery family and BMS profile decide the match.

Use this reference when a customer names Deye or Growatt but has not yet fixed the exact inverter and battery model.

Brand-family reference points

Inverter family	Voltage class	What to verify
Deye SUN-3.6/5/6K-SG03LP1-EU	Low voltage, typically 40-60 V	CAN/RS485 connection, battery list, profile and firmware
Deye SUN-5/6/8/10/12K-SG04LP3-EU	Low voltage, 40-60 V class	Three-phase wiring, current, communication and approved list
Deye high-voltage families	High voltage	Exact series, battery modules, voltage window and country version
Growatt SPH BL-UP	Low voltage	Battery series, voltage range, BMS communication and firmware
Growatt SPH BH-UP	High voltage	Module count, operating window, profile and country version
Growatt MIN XH/XH2 and MOD XH/XH(BP)	High voltage	ARK XH or APX HV family, module count and commissioning

Use the exact model, document and supply route for the final quotation.

Before the quotation

- Read the exact model and suffix from the nameplate.
- Confirm battery operating range, continuous current and peak current.
- Confirm CAN/RS485 pinout, protocol, baud rate, battery profile and master/slave setting.
- Confirm phase, EPS/backup, generator input, export limitation and firmware.

Fast decision rule

Same brand, same nominal voltage or the same CAN port is not proof. A usable match requires exact voltage range, current capability, communication profile, topology and commissioning settings.

Need a product match? CVC can help match product models, technical parameters and supply routes to the project requirement.

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Prepared as a concise sourcing reference. Confirm exact model, certificate scope, compatibility and warranty responsibility for the final quotation.