PRACTICAL PROCUREMENT REFERENCE | FOR DISTRIBUTORS, INSTALLERS AND BUYERS

2025 Global Top 10 Residential ESS Manufacturers by Shipments

A quick reference for distributors comparing home energy storage brands, system roles and buyer fit.

The fast answer Use the table to build a supplier shortlist. Then compare the exact battery system, inverter, warranty route and channel support.

Scope: global residential energy storage manufacturers and brands associated with 2025 shipment leadership. This is a brand and system reference, not a universal product recommendation.

Top 10 reference table

Rank	Manufacturer or brand	Main residential ESS strength	Buyer fit
1	Tesla	Powerwall home battery ecosystem	Premium home-energy and VPP channels
2	Huawei	FusionSolar PV, inverter and storage ecosystem	Integrated solar distributors and installers
3	BYD	Battery and energy storage portfolio	Large distributors and multi-segment buyers
4	Sungrow	Residential, C&I and utility storage	Solar distributors and installer networks
5	Sigenergy	Integrated home storage, EV charging and EMS	Smart-home, solar-plus-storage and EV channels
6	Pylontech	Battery-focused modular ESS platforms	Battery distributors and matching programs
7	Deye	Residential hybrid inverter and battery solutions	Residential installers
8	Dyness	Modular residential and C&I battery systems	Flexible battery portfolios
9	SolaX Power	Residential PV-storage and hybrid inverters	PV-storage installers and distributors
10	Maitian Energy / Fox ESS	Home energy storage and inverter products	Global residential channels and private label

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

How to use this list

- Identify whether the offer is a complete system, battery module, inverter package or cell-based product.
- Check usable energy, continuous output, peak output, communication profile and backup topology.
- Confirm certification, installer route, warranty issuer and local after-sales responsibility.
- Compare total delivered system cost rather than nominal kWh alone.

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

Website: www.cvcenergy.com
WhatsApp phone / account: +86 156 2933 2657
WhatsApp chat: wa.me/8615629332657

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