

PVTRANSACT

South Africa

Top 20 global solar battery manufacturers

| Rank | Company | Country | Notes |
|------|--|--------------|---|
| 1 | Tesla Energy (Tesla) | USA | Powerwall, Powerpack, Megapack – residential & grid-scale storage |
| 2 | Contemporary Amperex Technology Co. Limited (CATL) | China | Major battery cell manufacturer, stationary storage & solar-linked ESS |
| 3 | BYD Company Limited | China | Blade battery tech, modular storage systems, EV integration |
| 4 | LG Energy Solution | South Korea | High-performance lithium-ion batteries for residential/commercial storage |
| 5 | Panasonic Corporation | Japan | Battery cell supplier, active in solar-linked storage |
| 6 | Samsung SDI Co., Ltd. | South Korea | Battery modules for ESS and other applications |
| 7 | Sonnen GmbH | Germany | Residential smart battery systems, community & virtual power plants |
| 8 | Enphase Energy, Inc. | USA | Microinverters + home battery systems integrated with solar |
| 9 | Huawei Digital Power | China | Solar + battery storage solutions with global reach |
| 10 | Pylontech Co., Ltd. | China | Modular lithium-iron-phosphate (LFP) stacks for solar storage |
| 11 | Fluence Energy LLC | USA / Global | Utility-scale energy storage systems integrator |
| 12 | Siemens Energy AG | Germany | Large-scale storage systems tied to solar infrastructure |
| 13 | NGK Insulators, Ltd. | Japan | Sodium-sulphur (NaS) battery systems for long-duration grid storage |
| 14 | E3/DC GmbH | Germany | Residential solar + battery + EV charger integrated systems |
| 15 | Sungrow Power Supply Co., Ltd. | China | PV inverters and energy storage system (ESS) solutions |
| 16 | Toshiba Corporation | Japan | SCiB battery technology and ESS for backup/solar storage |
| 17 | Saft Batteries (Socomec Group) | France | Industrial battery systems used in solar-energy storage |
| 18 | GSL Energy Co., Ltd. | China | LiFePO ₄ batteries for residential & commercial solar storage |
| 19 | Alpha ESS Co., Ltd. | China | Residential and commercial storage systems for solar arrays |
| 20 | ESS Inc. | USA | Iron-flow batteries for long-duration solar + storage integration |