

Lithium Iron Phosphate - INDUSTRIAL & COMMERCIAL ENERGY STORAGE

DURASOL®
Energi

Durasol Energi Technof Series 50kW/100kWh & 100kW/200kWh lithium battery energy storage outdoor cabinet is a high-tech product developed by Intelenergi for small industrial and commercial energy storage. It integrates lithium battery system, energy storage converter, EMS management and supports a variety of working modes. It is suitable for multiple application scenarios, such as standby power supply, peak load shifting, electric energy storage and new energy access.

Salient Features

- Flexible configurations, stronger capacity expansion, support for parallel use of multiple machines.
- Pack modular standard design, free combination, easy operation and maintenance.
- Perfect protect function, and fire protection, access control, thermal management and other systems.
- Touch LCD to visually display various parameters, records, status, alarms etc.
- Multi-purpose, support a variety of operating modes.
- Three-level BMS management, from the cell to the system, ensures the safe and reliable operation of the system layer by layer.
- Support wired or wireless 4G communication to realize remote monitoring.

| Parameters / TFESS | | 50kW/100kWh | 100kW/200kWh |
|----------------------------------|-----------------------------------|--|--|
| DC side parameter | DC channel | 1 channel | 1 channel |
| | DC busbar maximum voltage | 900 V | 1000 V |
| | DC side maximum current | 200 A | 176 A |
| | DC voltage operating range | 200-900 V | 560-1000 V |
| AC grid connection parameter | Maximum input apparent power | 50 kVA | 100 kVA |
| | Maximum input active power | 50 kW | 100 kW |
| | Rated input voltage | 220/380 V, 3P4W+PE | 220/380 V, 3P4W+PE |
| | Maximum continuous input current | 86 A | 152 A |
| | Rated input frequency | 50 Hz | 50 Hz |
| AC off-grid connection parameter | AC off-grid voltage | 220/380 V, 3P4W+PE | 220/380 V, 3P4W+PE |
| | Maximum continuous output current | 86 A | 152 A |
| | AC off-grid frequency | 50 Hz | 50 Hz |
| Battery parameter | Nominal voltage | LFP | LFP |
| | Rated power | 100kWh | 224kWh |
| | Operating voltage range | 358.4 V | 672 V |
| | Battery type | 313-392 V | 588-735 V |
| | Rate | ≤0.5C | ≤0.5C |
| System parameter | Human-computer interface | 8 inch LCD touch screen | 8 inch LCD touch screen |
| | Fire extinguishing system | Perfluorohexanone | Perfluorohexanone |
| | Heat-removal system | Industrial grade air conditioner / intelligent air cooling | Industrial grade air conditioner / intelligent air cooling |
| | Operating temperature | 0°C-55°C | 0°C-55°C |
| | Protection level | IP54 | IP54 |
| | Dimension (L * W * H) | <1350mm*1100mm*2350mm ± 2mm | <1600mm*1100mm*2100mm ± 2mm |
| | Weight | ≤1200KG | ≤3000KG |



Applications



Generator Replacement

Electricity Distribution company

Grid stabilization/Mini Grid and

Remote Power Supply

Back up to Solar Power Plants

Centralized EV charging stations