

iHouse 20ft 1000kW/2150kWh

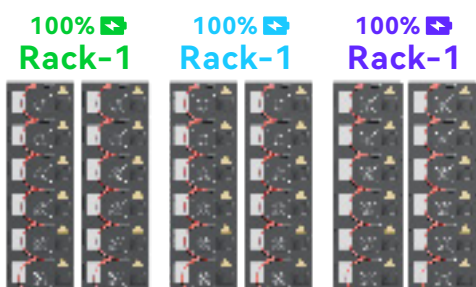
0.5C/0.5P Liquid Cooling All-in-one Container



DOWELL Smart String Energy Storage Solution

Rack-level Optimization

Each RACK connects to a PCS, and controls charging and discharging independently to avoid bias current affecting the discharge amount.



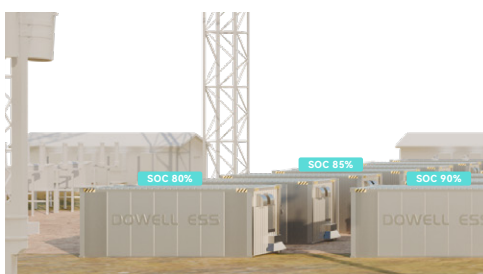
Smart Operation & Maintenance

Two smart operation screens (BMS and EMS) and smart cloud platform, ensuring refined management and visualize operation status.



Automatic SOC calibration

The battery rack-level SOC is automatically calibrated without affecting the normal operation of the energy storage system.



Support Pallet Transport

iHouse 20ft 1000kW/2150kWh is a complete all-in-one BESS with PCS, battery, BMS, EMS—all pre-installed before delivery.



| Product Model | | iHouse 1000kW/2150kWh | |
|--|-------------------|-------------------------------|--|
| DC Side Data | | | |
| Cell | Rated Voltage | 3.2V | |
| | Rated Capacity | CATL 280Ah | |
| Battery Pack | Rated Voltage | 153.6V | |
| | Voltage Range | 134.4~175.2V | |
| | Rated Capacity | 43.008kWh | |
| Battery Cluster | Cooling Method | Liquid-cooling | |
| | Connection Method | 48S | |
| | Rated Voltage | 768V | |
| | Voltage Range | 672V~876V | |
| | Rated Capacity | 215.04kWh | |
| | Cooling Method | Liquid-cooling | |
| AC Side Data | | | |
| PCS Rated Voltage | | AC230V/400V | |
| Voltage Range | | -15%~+15% | |
| Rated Power | | 105kW | |
| Frequency | | 50Hz | |
| Power Factor | | 0.99 | |
| Power Factor Range | | 1 (ahead) to 1 (behind) | |
| Overload Capacity | | 110% long term, 120% 1 minute | |
| AC Output Type | | 3W+N+PE | |
| Dimension | | 544(W)x770(D)x270(H)mm | |
| Weight | | 50kg | |
| AC/DC Integrated Container System Data | | | |
| System Power | | 1050kW | |
| System Voltage | | AC230V/400V | |
| System Energy | | 2150kWh | |
| Weight | | ≈30t | |



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