

Lithium Iron Phosphate - INDUSTRIAL & COMMERCIAL ENERGY STORAGE



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