

Injet HanCangTM

Hybrid Energy Storage System



Product Introduction

The Injet HanCang series is a modular solar-storage-diesel Hybrid Energy Storage System developed by Injet New Energy specifically for temporary power supply scenarios. The entire unit features factory pre-engineered integration and one-stop on-site deployment. It integrates five core systems: photovoltaics (PV), energy storage, diesel generation, utility grid, and intelligent dispatching, providing standardized solutions for off-grid, weak-grid, and emergency power guarantee scenarios.

Next-generation outdoor power supply equipment, suitable for multiple industries including infrastructure, oil & gas, telecommunications, emergency response, and islands.



Cost Reduction

- Direct reduction of electricity costs by 20% to 90% (compared to pure diesel solutions), saving investment in power transmission lines.



Revenue Increase

- Drastically reduces downtime losses caused by power interruptions, improving the overall profitability of the project.



Efficiency Enhancement

- Deployment cycle shortened to as little as one week (compared to traditional power lines); significantly reduces specific fuel consumption of diesel generators.



Emission Control

- Significantly reduces carbon emissions and noise pollution from diesel generators, optimizing the operating environment around the enclosure.

Specification of Injet HanCang (522kWh)

Item		iHC-522A
Battery Parameters	Cell Specification	LiFePO4
	Rated Capacity	522.4kWh
	Rated Voltage	832V
	Operating Voltage Range	702V-949V
	Rated Charge/Discharge Current	314A/314A
	Max. Charge/Discharge Current	628A/628A ($\leq 3s$)
	DOD	95%DOD
	Cycle Life	6000 cycles @70% EOL
	Cooling Method	Intelligent Liquid Cooling
AC Output Parameters	Rated Power	250kW
	Max. Output Capacity	500kVA
	Rated Output Voltage	380V (-10%~15%)
	Rated Output Frequency	50Hz
	Power Supply System	TN-S
	Wiring Method	3W+N (OT terminals)
	THDu	<3% (rated power)
System Parameters	Dimensions (W*D*H)	2991*2438*2591mm
	Weight	~7.2t
	IP Rating	IP54
	Operating Humidity	$\leq 95\%RH$, non-condensing
	Operating Temperature	-20~50°C (derated above 45°C)
	Max. Operating Altitude	4000m (derated above 3000m)
	Local Monitoring	LCD Touch Screen
	Remote Monitoring	Web Platform
	Installation Method	Top Lifting
	Fire Protection System	Built-in (PACK-level)
	Parallel Expansion	Supported, max. expandable to 2MW
	AC Series Charging	Optional, max. 240kW (120kW*2 sets)
		Supports grid / diesel generator hybrid input
	PV Charging	Optional, max. 250kW (125kW*2 sets)
		Built-in PV MPPT
Recommended Diesel Generator	AC Series Charging Mode	$\leq 150kVA$ per set or $\leq 300kVA$ for two parallel sets
	AC Parallel Mode	$\leq 400kVA$