

JAKSON'S NEXT-GEN **COMMERCIAL & INDUSTRIAL BESS**



125kVA/261kWh



All in One



Hassle Free
Installation



Intelligent
Liquid Cooling



Stackable
up to 1 MWh



Safe &
Intelligent

TECHNICAL SPECIFICATION

125kVA/261kWh

Battery Data

Cell type	LFP (LiFePO4)
Cell capacity (Ah)	314
Module nominal energy (kWh)	52.25
Packs	260SIP
Rack nominal energy (kWh)	261.25
Rack usable energy (kWh)	261.25
Nominal Voltage (Vdc)	832
Operating voltage range (Vdc)	728 ~ 936
Charge/Discharge rate	0.5P

AC Output Data

Nominal output power (kW)	125
Max. output power (kW)	137.5@400Vac
Nominal output voltage (Vac)	380 / 400 , 3P4W+PE
Nominal AC grid frequency (Hz)	50
Max. AC output current (A)	198.5
Power factor	-1 (leading) ~ +1 (lagging)
THDi	≤3% (at rated power)

Protection

AC Side	Molded case circuit breaker
DC Side	Isolator switch, Fuse isolator switch, Fuse
Fire safety	Aerosol+ water based suppression
AC short circuit protection	Integrated

Environment Conditions

Operation temperature range (°C)	-30 ~ +50
Derating temperature (°C)	45
Storage temperature (°C)	-20~ +45 (one month); 0~+35 (one year)
Relative humidity	0 ~ 95% (non condensing)
Max. operating altitude (m)	≤ 3000

Physical Characteristics

Weight (kg)	≤ 2800
Dimensions (W x H x D)	989mm x 2471mm x 1465mm
Noise (dB)	≤70
Ingress protection	IP54
Anti corrosion	C4

Others

Cooling method	Liquid cooling
Communication protocol	MODBUS TCP
Communication interface	CAN / Ethernet / 485
Parallel connection	6 units (off-grid), 24 units (On-grid)
Charge/Discharge switchover time	<60ms
Design life	15 years
Standard warranty	5 years
Extended warranty	10 years