

HISBATT-126A

All-in-One Battery Solution
(HISBATT-126A-92K-C10-G)



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Your Benefits

- Quick to deploy:**
Plug-and-play all-in-one system with AC coupling for fast deployment
- Efficient & powerful:**
126 kWh battery with advanced thermal management and operation at up to 1C
- State-of-the-art inverter technology:**
92 kVA SiC-based inverter with reactive power capability
- Reliable & safe:**
Tier-1 LFP cells, a three-level BMS, and an active fire suppression system
- Smart control:**
AI-powered energy management system (HISems) with remote monitoring and service access
- Weatherproof & robust:**
IP55-rated enclosure – suitable for a wide range of environments
- Easy to handle:**
Crane- and forklift-compatible design enables fast installation and relocation
- Scalable & future-ready:**
Standardized system – easily expandable to meet growing energy needs



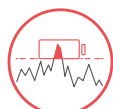
HISbatt Applications



Multi-use



E-mobility



Peak shaving



Emergency & backup power



Time-of-use optimization



PV self-consumption

HISbatt Use Cases

E-mobility

Agriculture

Green hydrogen

Industry

Real estate

Supermarkets

Battery System	
Battery rack model	HISbATT-126-11-C10-A
Installed battery capacity	126.5 kWh
Battery module model	HIS-MOD-11-1P24S-C10-A
Battery modules per rack	11
Battery cell model	150 Ah
Battery cells per module	24
Battery cells per rack	264
Cycle life (at 90 % usable DoD 70 % EoL)	4,500 cycles
Battery Management System	HIS-BMS (three-level safety system)

Inverter	
Battery inverter model	KACO Gridsave 92 TL3-S
Nominal apparent power	92 kVA
Maximum apparent power	92 kVA
Nominal AC current (I)	132 A
Nominal AC voltage	400V AC, 3-phase
Grid frequency range	50 Hz (45 to 65 Hz)
Reactive power/cos φ	0 to 100 % Smax/0.30 ind. to 0.30 cap.
Max. inverter efficiency	98.7 %
DC voltage range	702V DC to 936V DC
Maximum total harmonic distortion	< 3 % at nominal power
Inverter location	Mounted on the rear of the battery rack

Energy Management System	
Main controller	HISENERGY-Controller
Control software	myHIS-Flow
Applications	Peak shaving, PV self-consumption, time-of-use optimization, e-mobility, multi-use applications, etc.
External communication interfaces	Ethernet (Modbus TCP)

Protective Devices & Certifications	
Battery (DC)	Fuse and DC load-break switch
DC overvoltage protection	Surge arrester, type I
Ground fault monitoring	Yes
Insulation monitoring	Yes
Safety & fire protection	Smoke detectors, CO sensors, H ₂ sensors, temperature sensors, humidity sensors, independent aerosol fire suppression system
Cooling principle (Inverter)	Forced-air cooling (fans)
Cooling principle (Battery)	Forced-air cooling (HVAC)
Ambient operating temperature	-20 °C to 45 °C
Battery storage temperature	-30 °C to 60 °C
BESS ingress protection rating	IP55 (Indoor + Outdoor)
Dimensions (W × D × H)	1,360 x 1,065 x 2,150 mm
BESS weight	2,200 kg
Recommended storage conditions (> 1 month)	0 °C to 35 °C (30 % to 50 % SoC)
Safety Certifications	IEC 62619, IEC 62477-1:2012
EMC standards	IEC 61000-6-2, IEC 61000-6-20
Design life (rated conditions)	20 years