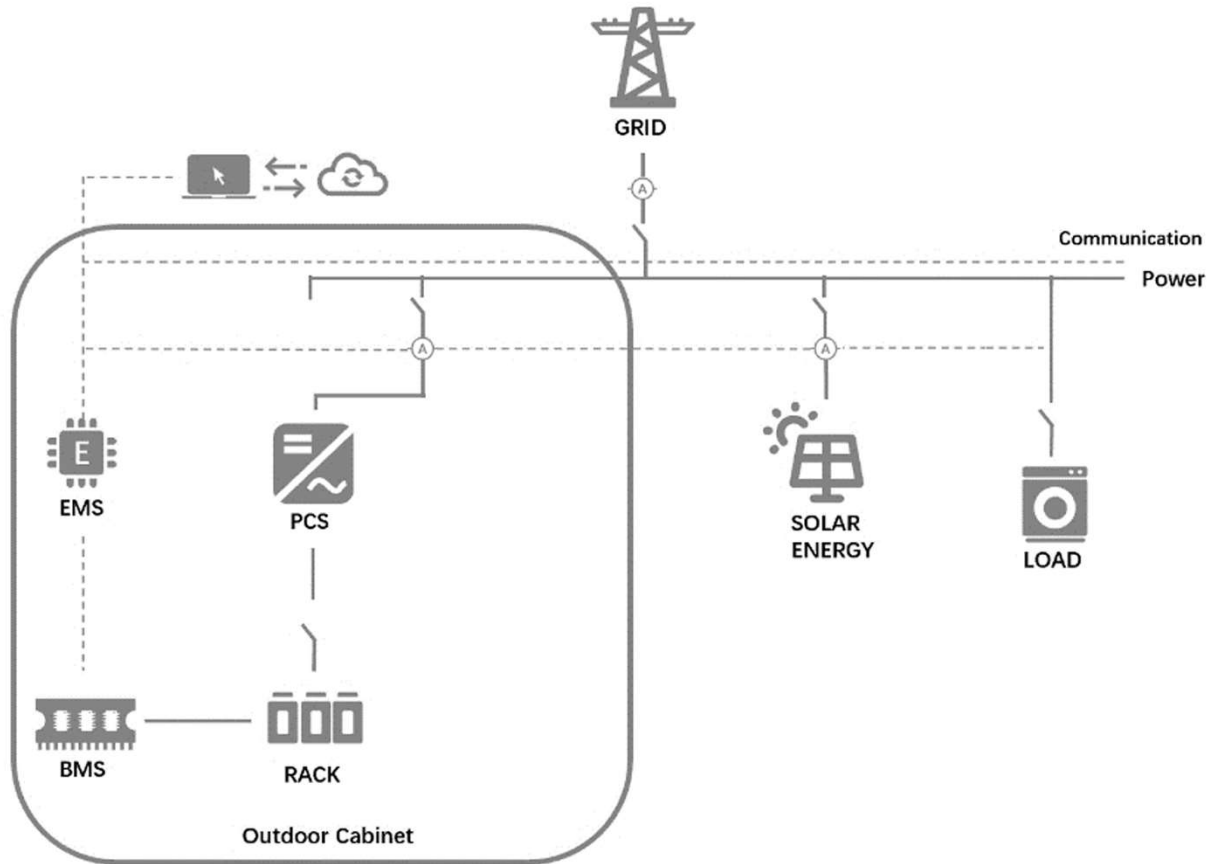




**CSI ENERGY STORAGE SYSTEM
KUBANK
C&I BESS SOLUTION**



KuBank Application Solution



Application Scenarios

- Commercial complex
- Small and medium entity
- Remote area

Features

- Plug and play
- AC-coupled solution, more independent
- Flexible configuration, spatial adaptability
- EMS integrated
- Support on/off grid switching, safe and stable power supply

Features

Long life-span

LFP 280Ah cell, long life-span, cost effective and safe

Expandable

Expandable with modular cabinet design. Installation and commissioning is convenient and flexible

BMS (active balancing)

With 2A balancing current, the active balancing strategy enables the system to release more energy and extend system life

Liquid cooling technology

The temperature of the batteries is controlled within the best working range, and the temperature differential is $< 3^{\circ}\text{C}$



IP67 Pack

Battery pack IP67 internally, to avoid dust, moisture, and water condensation

Fire Detection System

Multiple fire sensors to detect early thermal runaway of the batteries

Heat dissipation

Multistage thermal diffusion protection technology effectively prevents battery thermal diffusion and improves safety

EMS Integrated

A variety of operation control modes such as peak shaving, energy demand management, etc. The data can be transmitted to the cloud through 5G and LAN to achieve unattended operation and maintenance

Datasheet

KuBank either can be,

- AC-coupled solution
- Complete Solution includes Batteries + PCS + EMS
- Microgrid solution, applicable with extra equipment, such as DC/DC converter, Static Transfer System (STS), and transformer.

Applications,

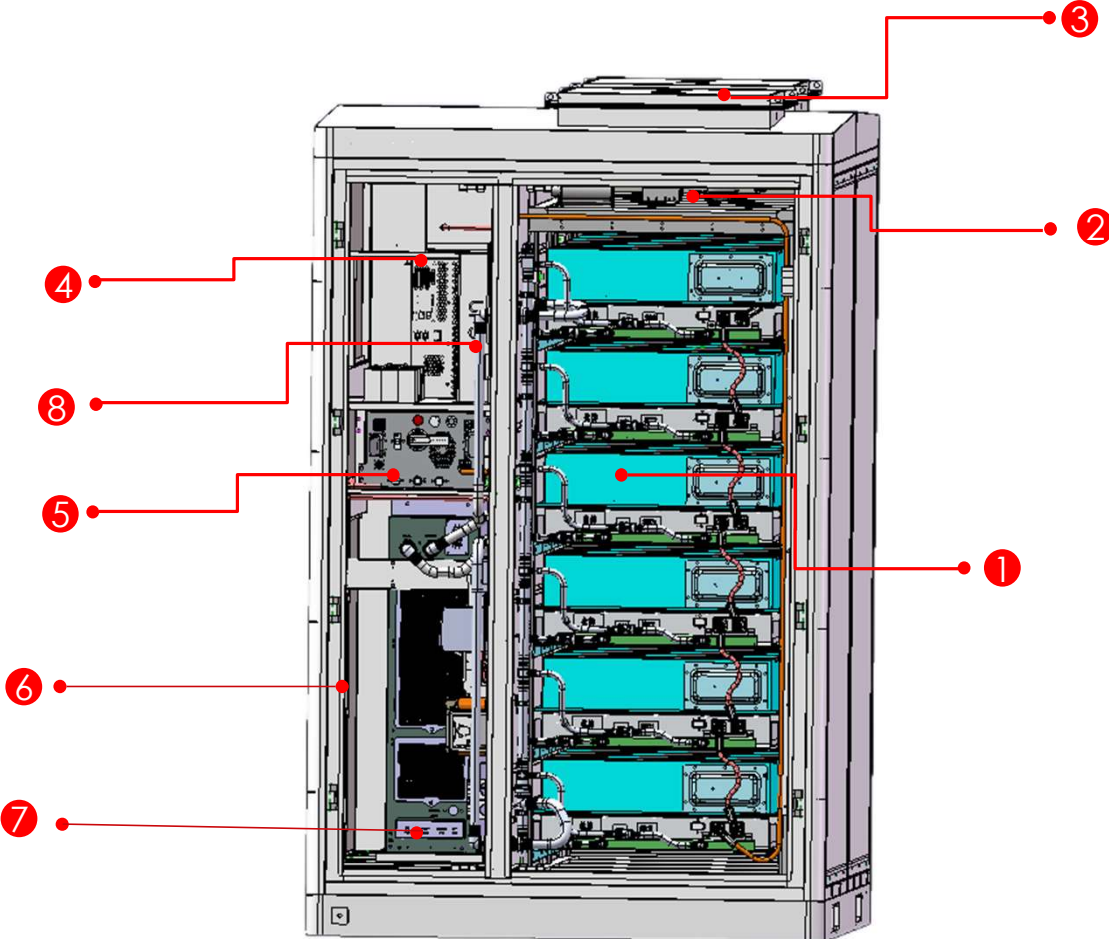
- Energy shifting
- Renewables Generation Clipping
- Peak shaving
- Capacity market
- Power backup
-



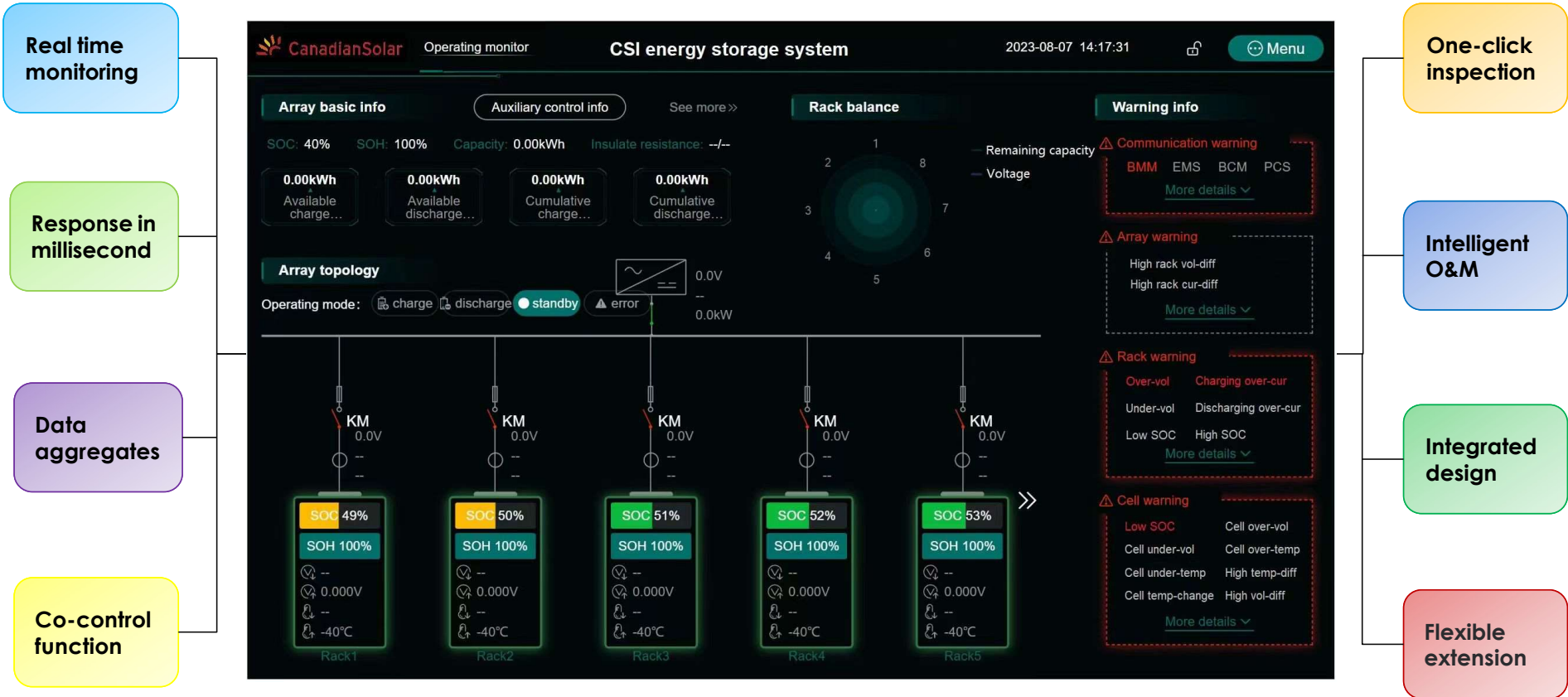
Type Model	CSI-KuBank-S-371-2H-UL
Battery Cell	280Ah Lithium Iron Phosphate (LFP)
String config.	1P414S
AC power output	185 kW
Rated energy	371 kWh
Rated DC voltage	1324.8V
DC/AC Efficiency	≥92%
UPS for Auxilliries	Online (backup 2hrs)
Thermal Management	Liquid cooling technology
Ingress Protection	NEMA 3R
Fire Protection System	Heat/smoke/combustible gas sensors, fire control panel, audible & strobe alarms
Dimension of Enclosure (WxHxD)	61 x 95 x 83 inches
Weight	9,259 lbs
Ambient temperature	-22°F to 131°F
Altitude	< 6,561 ft, power derating between 6,561 ft and 13,123 ft

Composition

- 1. Battery pack
- 2. Fire protection system
- 3. Explosion relief panel
- 4. Modular PCS
- 5. BMS Box
- 6. Aux power access
(lower left corner)
- 7. Liquid chiller
- 8. UPS



EMS Features



KuBank APP



Remote control and management

Real-time query of battery storage system, BMS, PCS, thermal management and other operating information can be carried out on the mobile terminal. Remote strategy optimization and setting, to ensure the safety of the energy storage system and the renewables, control the power station anytime and anywhere, without personnel having to interface directly with the unit.

INNOVATION PREVAILS