OUTDOOR ENERGY STORAGE SYSTEM

GENSTOR – 418 KWH

All-in-one C&I Battery Energy Storage System GENSTOR 418 KWH liquid-cooled energy storage system highly integrates LiFeP04 battery, BMS, fire protection system, and temperature control system. The energy storage system adopts an innovative, integrated design, with higher safety standards, easier management, and greater benefits. It can flexibly meet various needs and provide low-carbon and high-yield solutions for different application scenarios

Technical Specification - Parameter	
Battery	
Battery Type	LiFePO4
Rated Charge/Discharge C Rate	0.5C
Rated Voltage (V)	1331
Operating Voltage (V)	1040 – 1500 V
Cell Rated Capacity (Ah)	314
Rated Capacity (kWh)	418
System Composition	1P416S
General Parameters	
Ingress Protection	IP54
Cooling Method	Battery (Liquid), Electrical (Air)
Fire Protection System	Aerosol / Perfluorohexanone
Relative Humidity	0–95%, non-condensing
Temperature Range (°C)	-20 ~ +50
Altitude (m)	4000 (>2000 derating)
Communication	RS485 / CAN
Communication Protocol	Modbus / IEC104
Weight (kg)	≈3700
Dimensions (W×D×H) (mm)	1350*1300*2350
Delivery Method	Integral transportation
Certificates	EN62477-1:2012; EN IEC 61000; EN 50549-1/10; NC RfG; PTPIREE; VDE; CEI 0-21; C10/11; NTS; EIFS; TOR; G99; NF EN 50549-1:2019; NF EN 50549-10:2022; EN 50549-1:2019+A1:2023
Note	Specifications subject to change; as per the actual use case Requirement

GENSTOR – 418 KWH

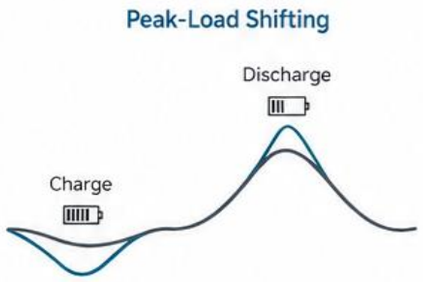
- Highly integrated battery, BMS, fire protection, temperature control and other systems.
- Standardized and modular design, plug-and-play, building block expansion
- Full coverage of application scenarios, supporting AC three-phase three-wire and three-phase four-wire
- Supports on-grid and off-grid applications
- Support Ethernet and wireless communication functions

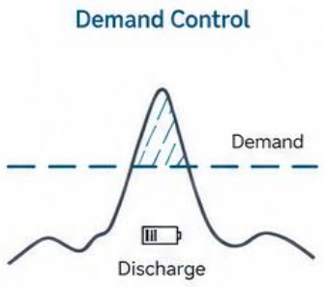
Application Scenarios

1 ELECTRICITY SAVING

Peak-Load Shifting.

Factory | Office Block | Data Center | Charging Station

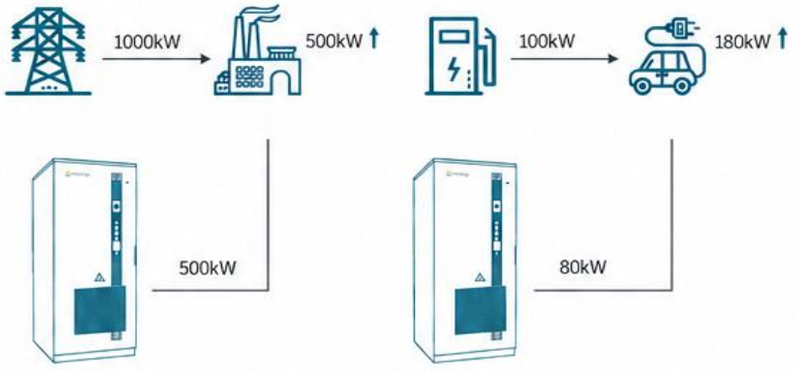




2 POWER EXPANSION

Discharge when the distribution capacity cannot meet the load demand to achieve the effect of virtual capacity expansion.

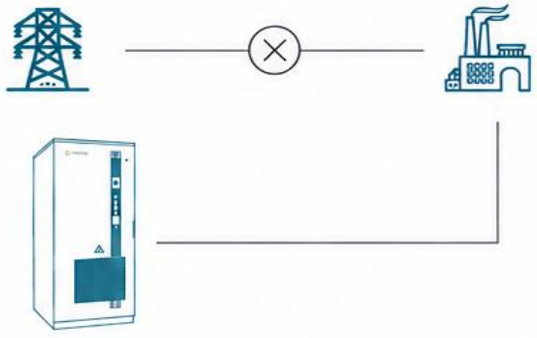
Factory | Charging Station



3 BACKUP POWER SUPPLY

Discharge to secure electricity supply in case of grid outage or limit on electricity supply.

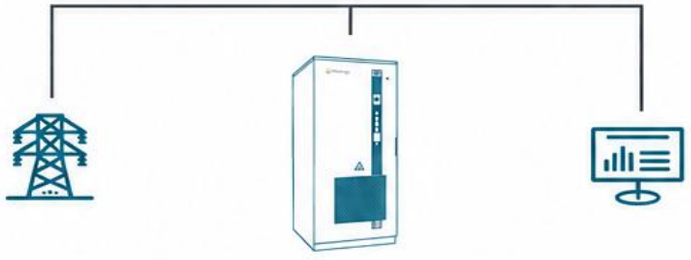
Factory | Office Block | Shopping Mall | Hotel



4 DEMAND RESPONSE

Enable power grid dispatching, Entitle dispatching subsidies.

Factory | Office Block | Shopping Mall



Sector 68 | Plot 79 | Opposite Amul Milk Plant | Faridabad
Haryana, India- 121004

info@innoceptssolar.com | www.innoceptssolar.com | 84482-95009