

C&I ENERGY STORAGE SYSTEM

GENSTOR 261 KWH

Highly integrated LiFePO4 battery, BMS, PCS, fire protection, temperature control system and more – delivering high safety, easy operation and greater efficiency for commercial & industrial energy needs.



- 261 KWH CAPACITY
- SMART MONITORING
- ADVANCED PROTECTION
- LIQUID COOLED

HIGH SAFETY Advanced protection for reliable operation	HIGH EFFICIENCY Optimized performance for maximum output	EASY MAINTENANCE Smart design for quick service & low downtime
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DIESEL GENERATOR REPLACEMENT BESS	PAN INDIA O&M REPORT	SMART ENERGY SOLUTIONS	INDUSTRIAL EXPERTISE	REMOTE MONITORING & SERVICE
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All-in-one C&I Battery Energy Storage System

- GENSTOR 261 kWh Liquid-Cooled Energy Storage System is an advanced all-in-one BESS solution integrating LiFePO₄ batteries, BMS, PCS, fire protection, and intelligent thermal management within a compact and high-safety architecture.
- Designed for modern Commercial & Industrial (C&I) applications, GENSTOR is highly suitable for Diesel Generator (DG) Replacement, enabling businesses to reduce diesel dependency, operational costs, maintenance, noise, and carbon emissions while ensuring reliable and uninterrupted power support.
- With its integrated and intelligent design, the system delivers enhanced safety, simplified operation, higher efficiency, and long-term performance for applications such as backup power, peak shaving, renewable energy integration, and microgrid support – providing a cleaner and future-ready energy solution for industrial and commercial facilities

Technical Specification - Parameter

Battery	
Battery Type	LiFePO4
Rated Charge/Discharge	0.5C
Rated Voltage (V)	832
Operating Voltage (V)	728-949
Cell Rated Capacity (Ah)	314
Rated Capacity (kWh)	261.248
System Composition	1P260S
AC Output (On Grid)	
Rated Output Power (kW)	130
Rated Output Current (A)	187
Rated Grid Voltage (V)	3/N/PE, 230/400
Rated Grid Frequency (Hz)	50/60
Power Factor Range	1 (0.9 Leading ~ 0.9 Lagging)
THDi	<3% (@Rated Power)
AC Output (Off Grid)	
Rated Output Power (kW)	130
Rated Output Current (A)	187
Rated Output Voltage (V)	3/N/PE, 230/400
Rated Output Frequency (Hz)	50/60
Unbalanced Load Capacity	100%
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)	≈2700
Dimensions (W×D×H) (mm)	1000×1400×2400
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 – 261 KWH

- Highly integrated battery, BMS, PCS, 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

Electricity Cost Saving

Peak-Load Shifting.



Factory



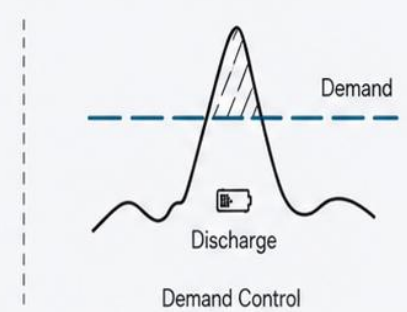
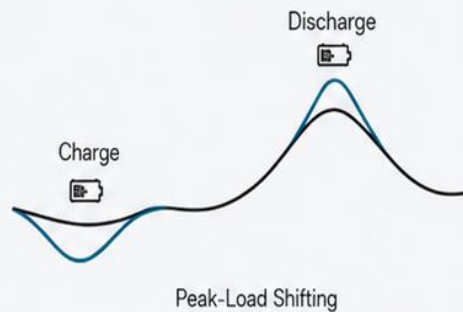
Office Block



Data Center



Charging Station



Power Expansion

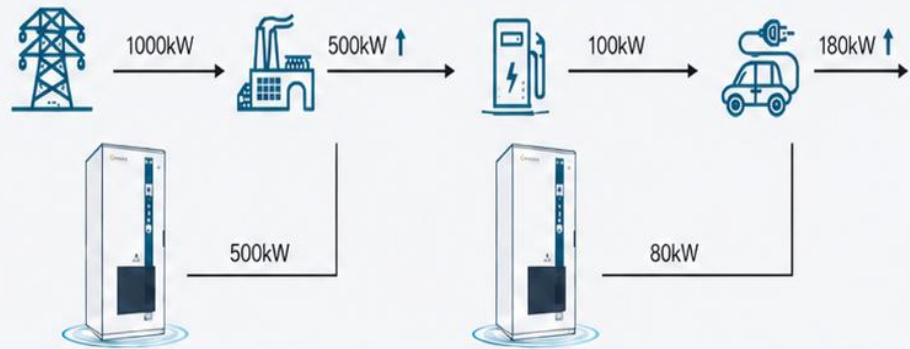
Discharge when the distribution capacity cannot meet the load demand to achieve the effect of virtual capacity expansion.



Factory



Charging Station



Backup Power Supply

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



Factory



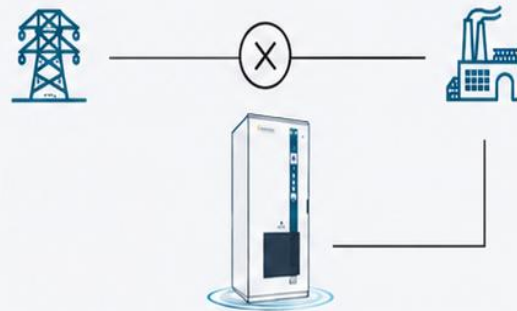
Office Block



Shopping Mall



Hotel



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