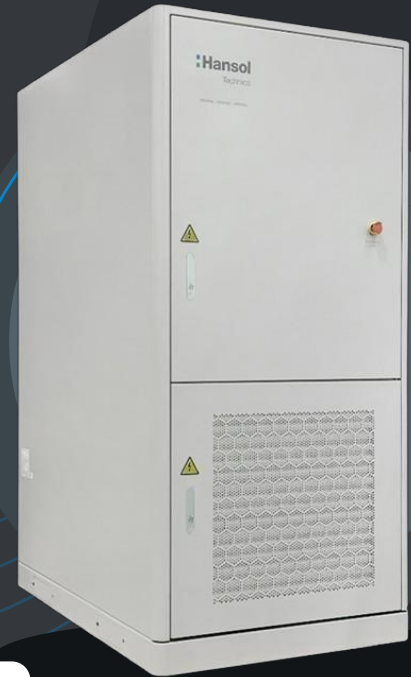


ENERGY STORAGE SYSTEM

All-in-one C&I Series

HSES-100kW-215kWh-1

A compact, integrated solution for solar generation, energy storage and intelligent energy management.



100 kW
NOMINAL POWER

215 kWh
SYSTEM CAPACITY

IP54 / IP67
SYSTEM / BATTERY

Proven engineering. Simplified deployment.



Enhanced Corrosion Protection

All corrosion-prone areas have been fully reinforced and treated, providing enhanced durability and consistent product quality.



All-in-one design

Battery, PCS, BMS and distribution integrated
Compact outdoor system
Minimum on-site installation



Enhanced safety

Compartmentalized architecture
IP67-certified battery
Aerosol fire suppression system



Smart operation and monitoring

Multi-mode control: peak, charging, frequency, PV
Cloud monitoring via Wi-Fi / 4G / 5G
Real-time data management



Scalable and easy to install

Factory Plug & Play configuration
Parallel capacity expansion
Simplified on-site commissioning

CERTIFICATIONS, COMPLIANCE & QUALITY



ISO
9001:2015 | 14001:2015 | 45001:2018



GRID
CEI-021 | EN 50549-1 | EN 50549-2



SAFETY
IEC 62619 | IEC 62477-1 | UN 38.3



QUALITY
Manufacturing since 1966
Certified production process

Technical specifications

AIO C&I Series | All-in-one energy storage system

MODEL

HSES-100kW-215kWh-1

BATTERY MODULE DATA

Battery type [V/Ah]	LFP 3.2/280
Battery pack capacity [kWh]	53.76
Battery system capacity [kWh]	215
Operating voltage range [V]	672 - 876
Number of temperature sensors	128
Battery pack protection rating	IP67

AC OUTPUT DATA

Rated output power [kW]	100
Maximum output power [kW]	110
THDi [%]	<3
Rated voltage [Vac]	380/400, 3L/N/PE
Power factor	>0.99
Adjustable power factor range	-1 - 1 (leading - lagging)
Rated frequency [Hz]	50/60

SYSTEM DATA

Round-trip efficiency [%]	>89
DOD [%]	0 - 100
Cycle life	>=8,000 at 70% EOL
Communication interfaces	Ethernet
Protection rating	IP54
Cooling type	Liquid cooling
Altitude [m]	<=3,000
Operating temperature [°C]	-25 to 55
Operating humidity [%]	0 - 95, non-condensing
Noise [dB]	<75 at 1 m
Dimensions (W*D*H) [mm]	1,040 * 1,500 * 2,200
Fire protection	Aerosol
Weight [kg]	<2,500
Grid code	CEI-021 / EN 50549-1 / EN 50549-2
Safety / EMC	IEC 62619 / IEC 60730-1 Annex H / IEC 62477-1 / IEC 61000-6-2,4 / UN 38.3