

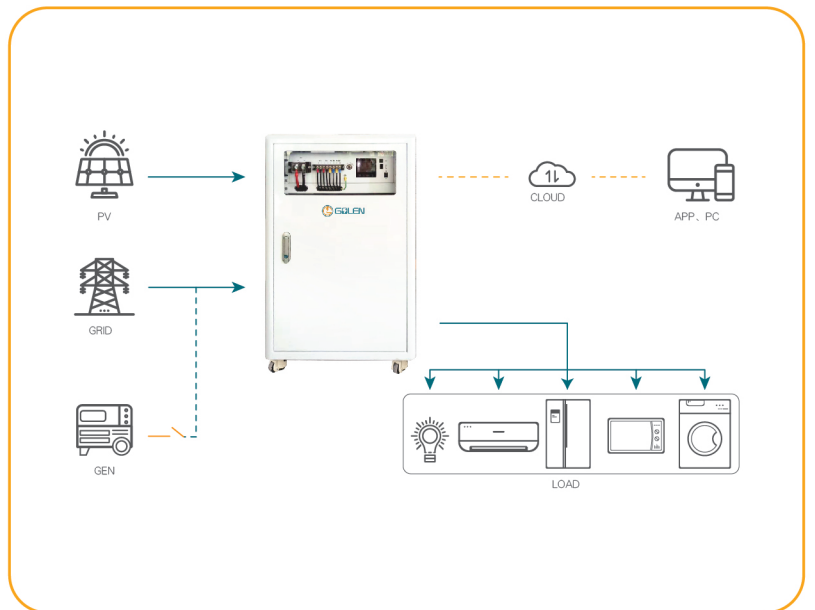


OFF GRID ALL-IN-ONE STORAGE SYSTEM

LNS-3K5020-SD LNS-5K8020-SD

Product Features

- Compatible with various batteries , perfect protection function & strong environmental adaptability
- Wide DC input voltage range design
- Fully digital voltage and current double closed-loop control, advanced SPWM technology, output pure sine wave
- With two output modes of mains power bypass and inverter output, with UPS function
- Full power UPS function, staged SOC design
- Charging mode optional: utility/ solar power priority, solar charging, hybrid charging
- With power saving mode function, reduce no-load loss
- Integrated design, Built-in controller, inverter, battery and BMS
- With lithium-ion battery activation function, support lead acid battery, colloid battery



Villa



Hotel



Residential electricity



Hospital



Museum



No electricity area



Farm

Technical Specifications

MODEL	LNS-3K5020-SD	LNS-5K8020-SD
AC Input (Bypass)		
Rated Voltage [V]	220	
Input Voltage Range [V]	(185~280)±2%	
Input Power Range [Hz]	47~55(50)/57~65(60)	
Overload Current [A]	40	
Max. Charging Current By Bypass[A]	20	
Battery Input (Built-in)		
Battery Type	Lithium	
Rated Input Voltage [V]	48	
Input Voltage Range [V]	45~60	
No Load Loss [A]	<1	
Stored Electric Energy [kWh]	5.12	10.24
PV Input Data		
Max. Input Power [W]	2800	4500
Input Voltage Range [V]	60~145	
Recommended PV String Voltage[V]	105	
Charging mode	MPPT	
Number Of MPPTs	1	1+1
Max. Charging Current By PV [A]	50	40+40
Inverter Output Data		
Rated Input Power [VA]	3000	5000
Peak Output Power [kVA]	5000	8000
Output Voltage [V]	220±5%	
Output Power [Hz]	50/60±1%	
Output Waveform	Sine Wave	
No Load Loss	<3% (Rated Power)	
THDi	<3%	
Peak Efficiency	>90%	
Overload Protection	"120%:turn off output in 1 minute,150%:turn off output in 10 seconds"	
Other Data		
Temperature Range [°C]	-20~+45	
Relative Humidity	5%~95% (non-condensing)	
Ingress Protection	IP20	
Altitude [m]	≤5000 (>1000 Derating)	
Noise [dB]	≤55	
Cooling Method	Smart Fan Cooling	
Isolation Method	High Frequency Isolation	
Display	LCD+LED	
Communication Method	RS485-RTU	
Dimensions (W * D * H)[mm]	600 * 720 * 550 (U-Box:482 * 133 * 462)	600 * 920 * 550 (U-Box:482 * 133 * 462)
Weight [kg]	75 (U-Box:15)	120 (U-Box:15)