



SOLAR POWER SYSTEM LITHIUM BATTERY

OEM & ODM SUPPORT

INTELLIGENT CONTROL CHIP

X-SERIES BRACKET HOLDER

MULTIPLE INTERFACE SUPPORT



5 years warranty



Low voltage safety connection



Superior LiFePO4 safety performance



6000 cycles at 80% DOD



1C/1C continual charge and discharge



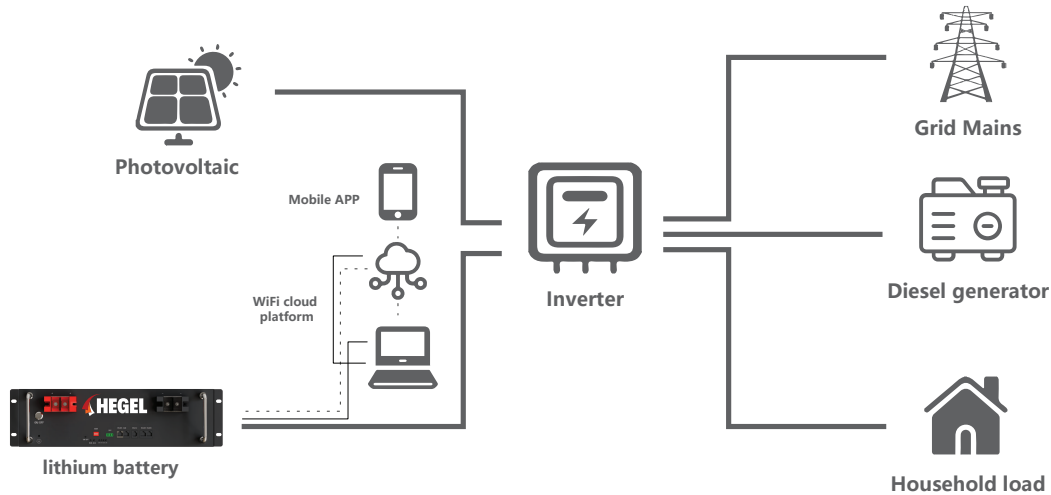
Battery Auto-sleep and wake-up upon inverter command

Compatible With Inverter Brands

Hegel's battery BMS supports simultaneous communication and is compatible with multiple inverter brands



Rack-Mounted Energy Storage Battery 5kWh



Parameters

Model	ESS-5120-KS7
Nominal Energy	5kWh
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Cell Type	LFP
Standard Charge Voltage	56.8V
Max Charge Current	100A
Discharge Cut-Off Voltage	44.8V
Max Discharge Current	100A
Parallel Function	Support 16 Units In Parallel
Communication Interface	Inverter: RS485、CAN ; BMS Monitoring: RS232; Prallels Com. : RS485*2
Calendar Life	15+ Years @25°C 80%DOD
Cycle Life *	≥6000 Cycles (80%DOD)
Charge temperature range	0~65°C
Discharge temperature range	-20~65°C
Certification	Cell:UL1642 / IEC62619 / CE /EMC/ ROHS / MSDS /UN38.3 Pack: MSDS / UN38.3/IEC62619
Dimensions	440*440*132mm
Weight	42.5kg
Installation method	Rack-mounted with Bracket
WiFi Function	Optional

*Test Condition: 80% DOD, 0.2C charge & discharge @25°C