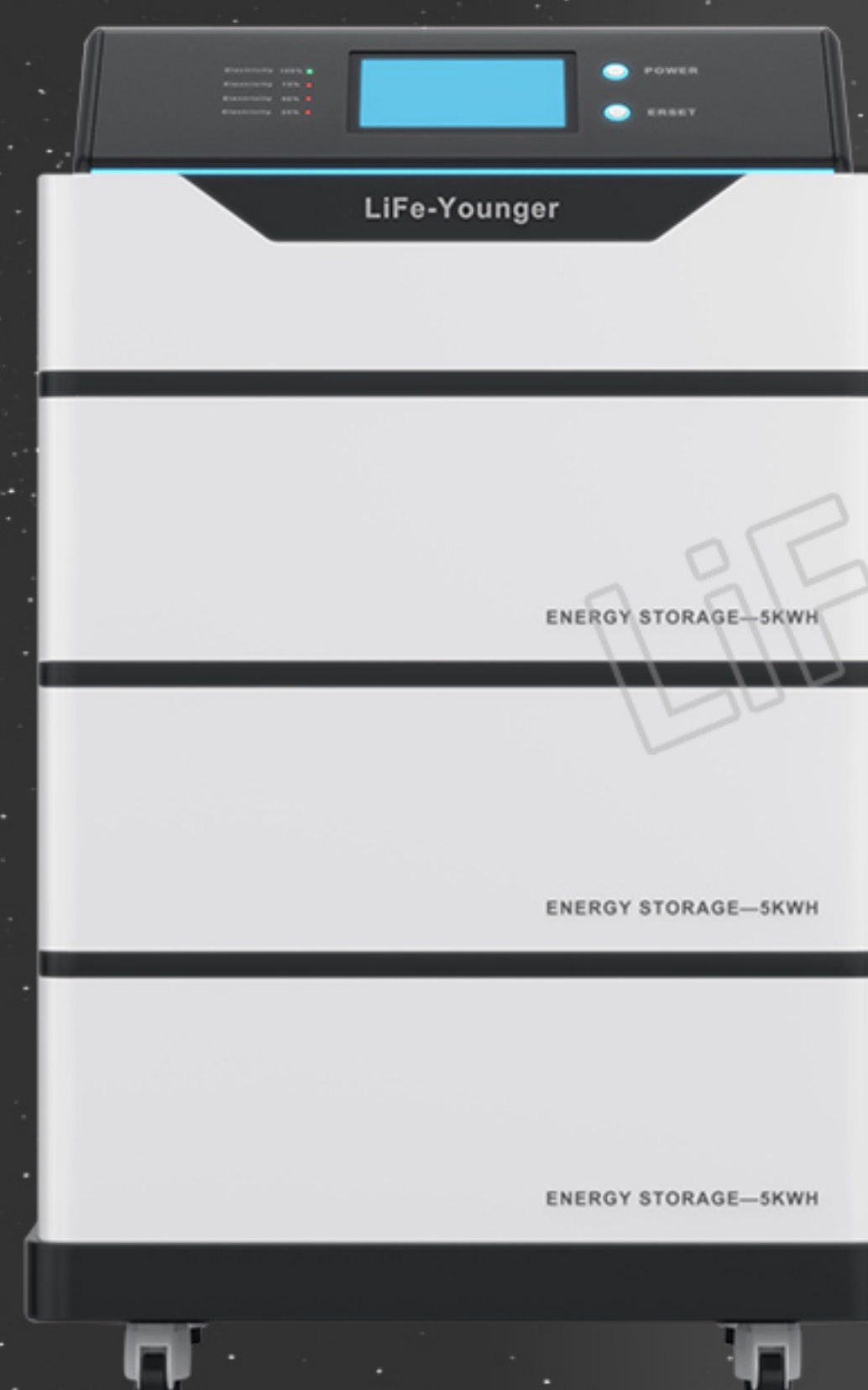




LY- Drawer power

The LY-Drawer Power Series offers an ease-to-install, aesthetics, and performance that is excellent. Flexible home storage systems from 10 to 80 kWh meet the demand for residential electricity.



Adopt famous brand of high quality LiFePO4 battery cell. The cycle times can reach 5000 times and the service life can reach more than 10 years, low running cost.



Adopt uniform battery box type design, no need to arrange the battery box in a fixed order.



With CAN2.0, RS485 and RS232 communication protocols, it can be used with many different brands of inverters.



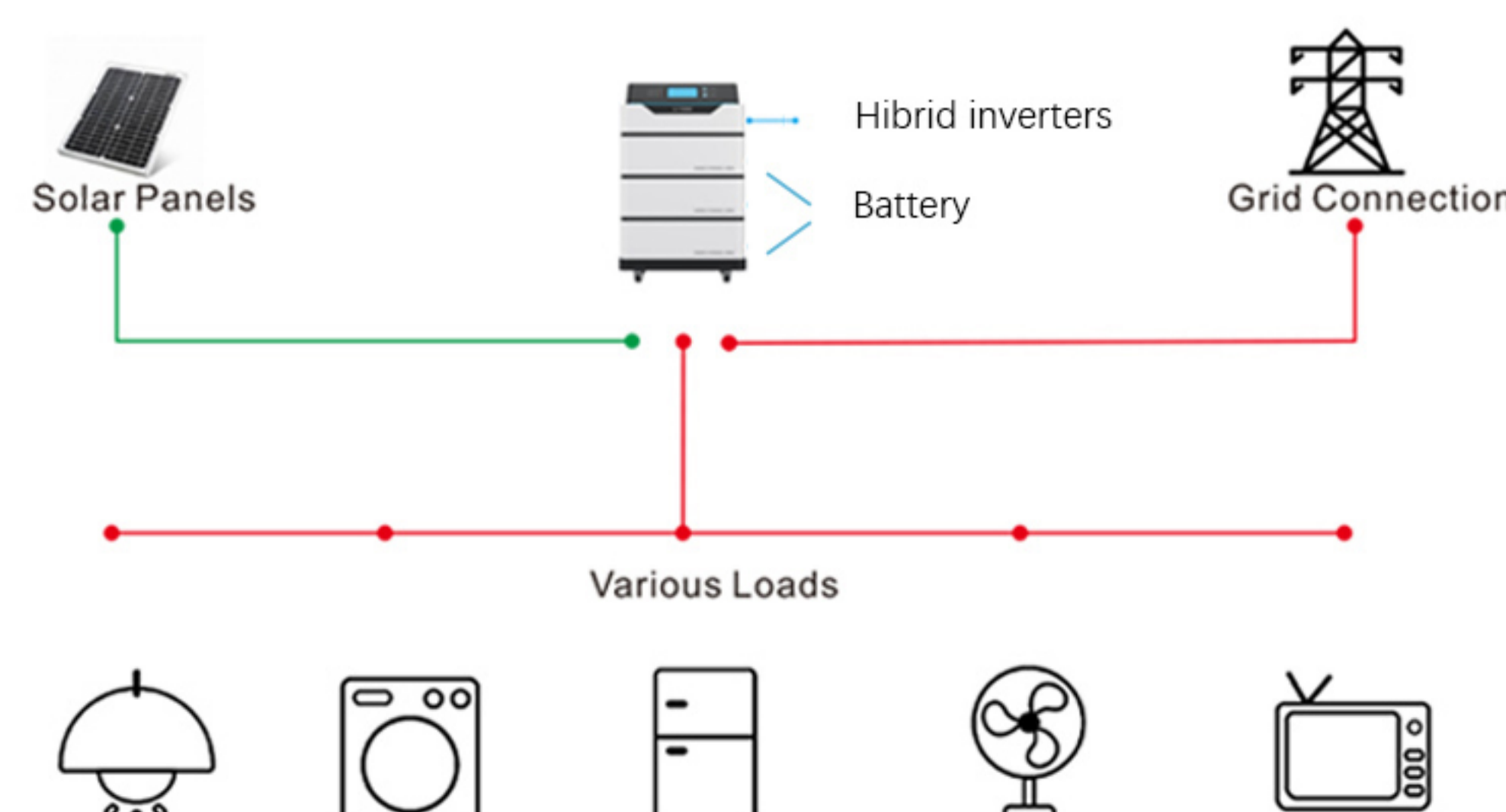
With perfect BMS protection and control functions, all-round management and protection of the battery, the battery is always safe efficient operation.



The product is simply install and maintain. The capacity can be enlarged by parallel connection.



With touch LCD screen, real-time view of data and operation status, precisely master all the information of the battery.



Model	LY-10kWh
Battery input	
Battery type	Lithium iron phosphate (LiFePO4)
Max charging /discharging current(A)	120/120
Battery voltage range (V)	40-60
PV string input data	
Max DC input power(W)	5600
PV input voltage(V)	370(100-500)
MPPT range(V)	125-425
AC out put data	
Rated AC output and UPS power(W)	5000
Peak power(off grid)	2 times of rated power, 10 S
Output frequency and voltage	50 / 60Hz; 120 / 240Vac (split phase) 208Vac (2 / 3 phase), 230Vac (single phase)
Grid type	Split phase; 2 / 3 phase; single phase
Current harmonic distortion	THD<3% (Linear load<1.5%)
Efficiency	
Efficiency	0.97
Certificatios and standards	
Grid regulation	UL1741, IEEE1547, RULE21, VDE 0126, AS4777, NRS2017 G98, G99, IEC61683, IEC62116, IEC61727
Safety regulation	IEC62109-1, IEC62109-2
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B
General data	
Operating temperature range(°C)	-25-60°C, >45°C derating
Cooling	Smart cooling
Noise(dB)	<30 dB
Communication with BMS	RS485; CAN
Weight(kg)	32kg
Size(mm)	420×670×233mm
Protection degree	IP65
Battery input	
Battery type	Lithium iron phosphate (LiFePO4)
Max charging /discharging current(A)	120/120
Battery voltage range (V)	40-60
Product model	48200
Dimensions (L*W*H)	500*420*378mm
Total weight	139kg
Rated capacity	10.24kWh
Rated voltage	51.2V
Working voltage	40-58.4V
Battery type	LiFePO4
Communication interfaces	CAN/RS232/RS485
Max number of parallel	16
Protection degree	IP54
Charging temperature range	0-60°C
Discharging temperature range	-20-60°C
Cooling method	Natural cooling
Display	LCD
Cycle life	>5000 Cycles @25°C 0.5C/0.5C
Certification	MSDS, IEC62619, IEC62620, UL9540A, UL1973, UN38.3, CE-LVD, CE-EMC