

1.2kW/1.28kWh WALL-MOUNTED PV ALL-IN-ONE ENERGY STORAGE SYSTEM

YJC-HES-L-A-1.2kW/1.28kWh



4-IN-1 INTEGRATED DESIGN

Inverter, MPPT solar charger, battery charger and battery all integrated into one enclosure – far fewer parts, far less wiring, much faster install.



EFFORTLESS, WALL-MOUNTED PLUG-AND-PLAY

Sleek wall-mounted format and pre-wired layout remove the need for extra brackets or complex wiring – ideal for balcony and small-home installs.



SEAMLESS SOLAR-TO-HOME & GRID BACKUP

Solar charges the battery; the built-in PCS/DC-AC inverter supplies household loads or hands off to the grid automatically when needed – simple energy flow, reliable backup.



COMPACT, COST-EFFECTIVE HOME SOLUTION

Small footprint and integrated components lower both material and labour costs – a practical, affordable choice for modern households.



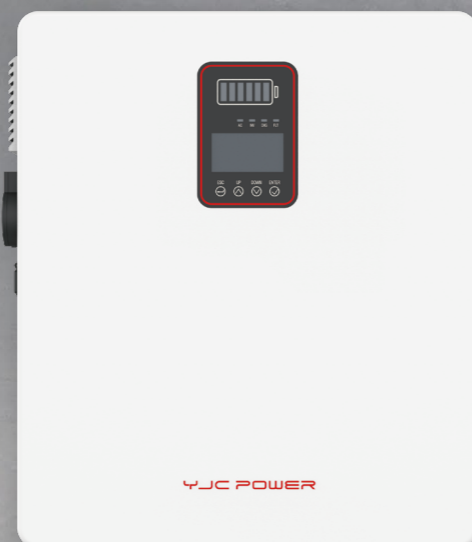
REAL-TIME MONITORING & INTUITIVE DISPLAY

High-contrast LCD screen monitoring shows voltage, current, frequency and system status for easy oversight and control.



RELIABLE THERMAL CONTROL & ROBUST HOUSING

Intelligent cooling fan, sturdy metal enclosure and BMS protections keep temperatures stable and protect the system in daily use – backed by common industry warranties.



Model	YJC-HES-L-A-1.2kW/1.28kWh
AC PARAMETERS INPUT	
Rated voltage	230Vac(208/220/230/240Vac)
Voltage Range	90V ~ 280Vac,Settable
Access method	L+N+PE
Rated grid frequency	50/60Hz
Max current	10A
PV INPUT	
Max Input Power	1000W
Max Input Current	14A
MPPT Voltage	20-100VDC
Max Efficiency	99.50%
Number of MPPT routes	1
AC PARAMETERS OUTPUT	
Max Output power	1.2kW
Rated voltage	230Vac(208/220/230/240Vac)
Access method	L+N+PE
Rated grid frequency	Battery Mode:50/60Hz,Line Mode:Synchronized range
THDi	≤3% (Linear Load)/≤5% (Non-linear Load PF=0.7)
Power factor	1
Efficiency	> 90.5%@1.2kVA(Battery Mode) / 99%@1.2kVA(Line Mode)
BATTERY INFORMATION	
Lithium battery specifications	LiFePO4
Rated voltage	12.8V
Voltage range	10 ~ 14.6V
Battery capacity	100Ah
Battery energy	1.28kWh
charging voltage	14.6V
Max charger current	100A
Charger mode	2~60A(line mode)+Max60A(PV mode),Settable
CONVENTIONAL PARAMETERS	
Dimensions	448×332×152mm
Weight	22kg
Operation Temperature Range	-10°C~50°C / 20%~95% (No condensing)
Storage temperature	-20°C~60°C
HMI	LCD
Transfer time	10ms(UPS mode) / 10ms(Appliance mode) / 10ms(Generator mode)
Communication mode	RS232 Baud 9600
Parallel Port	N/A
IP level	IP65
Activation	AC/PV Activation
Certification & Safety Standard	CE-EMC / IEC62619 / UN38.3