

Stacked Energy Storage

HOME



Long Life



Mobility



Space Saving



Home Appliance Style

Designed with an integrated household appliance aesthetic, stacked energy storage systems feature a sleek size and easy installation. The modular stack design allows for flexible matching of energy storage units and on-demand expansion. With an integrated inverter, these systems offer excellent portability and mobility for homeowners.



Model	HLC 5kw+5.12kwh	HLC 5kw+10.24kwh	HLC 5kw+15.36kwh	HLC 5kw+20.48kwh	HLC 5kw+25.6kwh
Stacked lithium battery					
Single module capacity	5.12kwh				
Module number	1pcs	2pcs	3pcs	4pcs	5pcs
Total capacity	5.12kwh	10.24kwh	15.36kwh	20.48kwh	25.6kwh
Standard voltage	51.2V				
Working voltage	43.2v-57.6V				
Standard discharge current	100A	200A	300A	400A	500A
Standard charging current	50A	100A	150A	200A	250A
Suggested DOD	80%				
Humidity	20%-60%				
Installation	Stacked				
IP rating	IP20				
Communication	CAN/RS485/RS232(WIFI,bluetooth is optional and need extra cost)				
Product size/unit	550*500*185mm				
N.W./unit	40kg				
Battery Input					
Battery type	LFP				
Rated Battery Input Voltage	48V (Minimum Start up Voltage 44V)				
Hybrid Charging Maximum Charging Current	80A				
Battery Voltage Range	40Vdc~60Vdc ± 0.6Vdc(Under voltage Warning/Over Warning/Shutdown Voltage/Over voltage voltage Recover y...)				
Solar Input					
Maximum PV Open-circuit Voltage	500vdc				
PV Working Voltage Range	120-500Vdc				
MPPT Voltage Range	120-450Vdc				
Maximum PV Input Current	18A				
Maximum PV Input Power	5200W				
Maximum PV Charging Current	80A				
AC Input (generator/grid)					
Mains Maximum ChargingCurrent	60A				
Rated Input Voltage	220/230Vac				
Input Voltage Range	UPS Mains Mode : (170Vac~280Vac)±2% APL Generator Mode : (90Vac-280Vac)±2%				
Frequency	50Hz/ 60Hz (Automatic Detection)				
Mains Charging Efficiency	>95%				
Switch Time (bypass and inverter)	10ms(Typical Value)				
Maximum Bypass Overload Current	40A				
AC Output					
Output Voltage Waveform	Pure Sine Wave				
Rated Output Voltage (Vac)	230Vac (200/208/220/240Vac)				
Rated Output Power (VA)	5000 (4350/4500/4800/5000)				
Rated Output Power(W)	5000 (4350/4500/4800/5000)				
Peak Power	10000VA				
On-load Motor Capacity	4HP				
Output Frequency Range(Hz)	50Hz±0.3Hz/60Hz±0.3Hz				
Maximum Efficiency	>90%				
No-load Loss	Non Energy-saving Mode: ≤50W Energy-saving Mode : ≤25W (Manual Setup)				