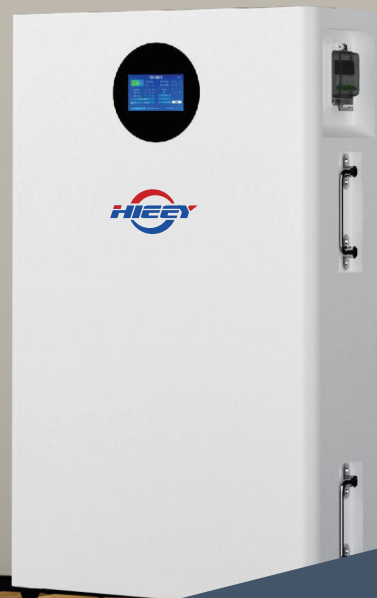




HAIYU INTELLIGENT ELECTRICAL APPARATUS CO.,LTD.



Split-Phase Hybrid Inverter HY-HP1-8~15KAL-US

Residential Use

120Va.c./240Va.c.(Split Phase)

BYPASS CURRENT:200A



275A Max Charge/Discharge
for Heavy Loads



<10ms UPS-Level Switching
for Backup Power



Dual AC Ports: Grid &
Generator/Smart Load with
Programmable Control



AC-Coupling Ready
Retrofit Without Rebuild

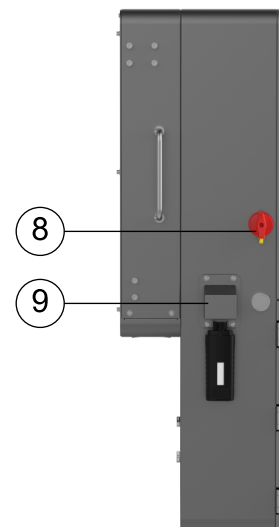
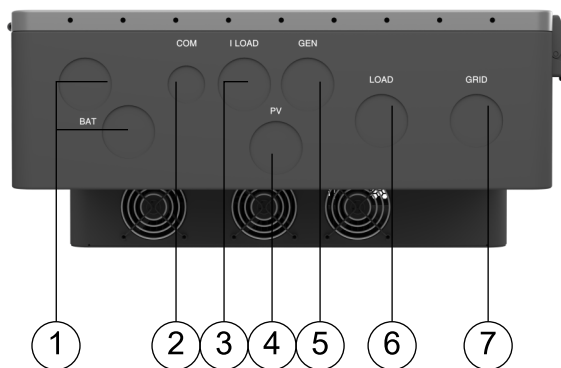


Parallel up to 10 Units



200A Bypass Current Ensures
Safe Peak Load Use

- 1.BAT
- 2.COM1
- 3.I LOAD
- 4.PV
- 5.GEN
- 6.LOAD
- 7.GRID
- 8.PV SWITCH
- 9.WIFI



Model	HY-HP1-8KAL-US	HY-HP1-10KAL-US	HY-HP1-12KAL-US	HY-HP1-15KAL-US
INVERTER INPUT/OUTPUT (GRID)				
Rated Power(kW)	8	10	12	15
Rated Voltage	120V a.c./240V a.c. (Split Phase)			
Rated Frequency(Hz)	60			
Power Factor Range	0.8 leading~0.8lagging			
Switch Time(ms)	<10			
Max.Input Current(A a.c.)	200			
Max.Output Current(A a.c.)	33.4	41.7	50	62.5
Max Output Overcurrent Protection	250 V a.c/250A a.c			
GEN Max.Input Current(A a.c.)	80			
BATTERY				
Battery Type	Lithium/Lead-acid			
Battery Voltage Range(Vd.c.)	40~60			
Rated Battery Voltage (V d.c.)	51.2			
Max Charge Current(A d.c.)	167	210	250	275
Max Discharge Current(A d.c.)	167	210	250	275
Reverse Connect Protection	Yes			
PV INPUT				
No.of MPPT Tracker/Strings	3/2+2+2	3/2+2+2	3/2+2+2	3/2+2+2
Max.PVArray Power (kW)	12	15	18	22.5
Max DC Voltage(V d.c.)	550			
MPPT Voltage Range(V d.c.)	120~480			
Start-up Voltage(V d.c.)	120			
Max.Input Current(A d.c.)	26+26+26			
Isc PV(Absolute Maximum)(A d.c.)	39+39+39			
AC OUTPUT (EPS)				
EPS Rated Output Voltage	120 Va.c./240V a.c. (Spit Phase)			
EPS Rated Output Frequency(Hz)	60			
EPS Rated Output Active Power(kW)	8	10	12	15
EPS Rated Output Apparent Power(kVA)	8	10	12	15
EPS Rated Output Current(A a.c.)	33.4	41.7	50	62.5
Max grid pass-through current(A)	200			
Overload Capacity (Off Grid)	200%10s			
Smart Load Rated Output Power(kW)	8	10	12	15
EFFICIENCY				
MPPT Efficiency	99.50%			
California-efficiency	96.50%			
Max.Efficiency	97.50%			
PROTECTION &FEATURE				
Insulation Monitoring	Yes			
Residual Current Monitoring	Yes			
Parallel Function	Yes			
Protection Degree	TYPE 4X			
Certifications	IEEE1547, CA RULE21, RULE14(HECO Compliant), UL1741, UL1741SA/SB, CSA C22.2, PREPA, UL1699B			
Other Protection	Overload,Over temperature,Short circuit,Anti-islanding			
GENERAL PARAMETER				
Storage Temperature	-25℃~-+60℃ (-13°F~+140°F)			
Operating Temperature	-25℃~-+60℃ (-13°F~+140°F),>+45℃ (+113°F)Derating to 60%			
Humidity	0~100%(Non -condensing)			
Operating Altitude(m)	4000(>2000 Derating)			
Noise(dB)	<45			
Machine Dimensions(W*H*D)(mm)	496*806*270.5			
Machine Weight/N.W. (kg)	55			
DISPLAY&COMMUNICATION				
Display	LCD+LED+APP			
Interface	RS485/WiFi/CAN(Optional:Bluetooth/LAN/4G/Meter)			



Split-Phase Hybrid Inverter HY-HP1-8~15KAL-SA

Residential Use

120Va.c./240Va.c.(Split Phase),208Va.c.(2/3Phase)

BYPASS CURRENT:100A



275A MaxCharge/Discharge
for Heavy Loads



<10msUPS-Level Switching
for Backup Power



Dual AC Ports: Grid &
Generator/Smart Load



AC-Coupling Ready
Retrofit Without Rebuild

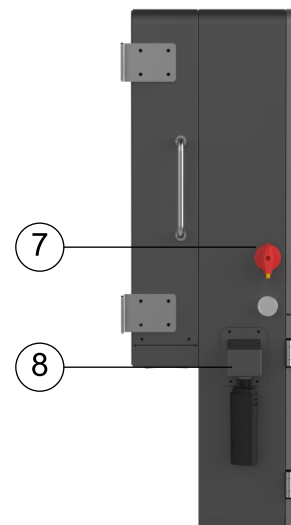
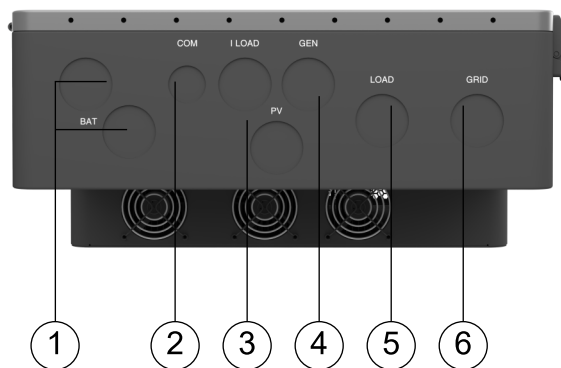


3-Phase Support
Parallel up to 10 Units



Rugged IP66 Enclosure
for Enhanced Durability

- 1.BAT
- 2.COM
- 3.PV
- 4.GEN
- 5.LOAD
- 6.GRID
- 7.PV SWITCH
- 8.WIFI



Model	HY-HP1-8KAL-SA	HY-HP1-10KAL-SA	HY-HP1-12KAL-SA	HY-HP1-15KAL-SA
INVERTERINPUT/OUTPUT(GRID)				
Rated Power(kW)	8	10	12	15
Rated Voltage	120Va.c./240 Va.c. (Split Phase),208Va.c. (2/3Phase)			
Rated Frequency(Hz)	60			
Power Factor Range	0.8 leading~0.8lagging			
Switch Time(ms)	<10			
Max.Input Current(A a.c.)	62.5			80
Max.Output Current(A a.c.)	33.4	41.7	50	62.5
Max Output Overcurrent Protection	250 Va.c/125 A a.c			
GEN Rated Power(kW)	8	10	12	15
BATTERY				
Battery Type	Lithium/Lead-acid			
Battery Voltage Range(V d.c.)	40~60			
Rated Battery Voltage(V d.c.)	51.2			
Max Charge Current(A d.c.)	167	210	250	275
Max Discharge Current(A d.c.)	167	210	250	275
Reverse Connect Protection	Yes			
PV INPUT				
No.of MPPT Tracker/Strings	3/2+2+2	3/2+2+2	3/2+2+2	3/2+2+2
Max.PVArray Power (kW)	12	15	18	22.5
Max DC Voltage(V d.c.)	550			
MPPT Voltage Range(V d.c.)	120~480			
Start-up Voltage(V d.c.)	120			
Max.Input Current(A d.c.)	26+26+26			
Isc PV(Absolute Maximum)(A d.c.)	39			
AC OUTPUT(EPS)				
EPS Rated Output Voltage	120Va.c./240Va.c. (Split Phase),208 Va.c. (2/3Phase)			
EPS Rated Output Frequency(Hz)	60			
EPS Rated Output Active Power(kW)	8	10	12	15
EPS Rated Output Apparent Power(kVA)	8	10	12	15
EPS Rated Output Current(A a.c.)	33.4	41.7	50	62.5
Max grid pass-through current(A)	62.5			
Overload Capacity(Off Grid)	200%10s			
EFFICIENCY				
MPPT Efficiency	99.50%			
California-efficiency	96.50%			
Max.Efficiency	97.50%			
PROTECTION &FEATURE				
Insulation Monitoring	Yes			
Residual Current Monitoring	Yes			
Parallel Function	Yes			
Protection Degree	IP66			
Certifications	UL1741, IEC62116, IEC61683, FCC Part15 Class B			
Other Protection	Overload,Over temperature,Short circuit,Anti-islanding			
GENERAL PARAMETER				
Storage Temperature	-25℃~-60℃ (-13°F~+140°F)			
Operating Temperature	-25℃~-60℃ (-13°F~+140°F),>+45℃ (+113°F)Derating to 60%			
Humidity	0~100%(Non -condensing)			
Operating Altitude(m)	4000(>2000 Derating)			
Noise(dB)	<45			
Machine Dimensions(W*H*D)(mm)	466*756*242			
Machine Weight/N.W. (kg)	45(99.21 lbs)			
DISPLAY&COMMUNICATION				
Display	App+LED/LCD(-S version)			
Interface	RS485/WiFi/CAN(Optional:Bluetooth/LAN/4G/Meter)			



Single Phase Off-grid Inverter HY-GF1-6.2KYA-US



IP65 protection rating,
suitable for outdoor
scenarios



2xDC side overrating,
18A MPPT current,
compatible with
high-power modules



3 MPPT inputs to
significantly increase
power generation



High conversion
efficiency, up to
99.9% MPPT efficiency



Compatible with
lead-acid and lithium
batteries, enhancing
practicality



Supports PV black
start function



Model	HY-GF1-6.2KYA-US
PV DC Input Parameters (PV Side)	
Maximum Input Power	12400W
Maximum Input Voltage	450V
Starting Voltage / Minimum Operating Voltage	100V
MPPT Voltage Range	120~450V
Number of MPPT Trackers/ Number of Strings for Each MPPT	3/1
Maximum Input Current	18A*3
Maximum Short-Circuit Current	20A*3
Grid Input Parameters (AC Side)	
Rated AC Input Power	6200W
Maximum Continuous Input Current	28A
Grid Rated Voltage / Grid Voltage Range	230Vac/180~270Vac
Rated Grid Frequency / Frequency Range	50Hz/60Hz(Adaptive)
AC Output Type	Single Phase(L,N,PE)
Diesel Generator Input Parameters(AC side)	
Rated AC Input Power	6200W
Maximum Continuous Input Current	28A
Grid Rated Voltage / Grid Voltage Range	230Vac/180~270Vac
Rated Grid Frequency / Frequency Range	50Hz/60Hz(Adaptive)
AC Output Type	Single Phase(L,N,PE)
EPS Outout Parameters	
Rated Output power	230Vac
Frequency	50/60Hz
Rated Current	28A
Maximum Output Frequency	6200VA/6200W
Waveform	Pure sine wave
Voltage Harmonic Distortion	≤3%(liner load)
Surge Capability	12400VA
Switch Time	Typical 10ms, Maximum 20ms
Battery	
Battery Type	Lithium Battery / Lead-Acid Battery
Battery Rated Voltage	48V
Battery Voltage Range	40~60V
Maximum Charging Current	135A
Maximum Discharging Current	135A
Communication	CAN/RS485
System Parameters	
Maximum Frequency	97.50%
PV-AC European Frequency	96.70%
MPPT Frequency	99.99%
Isolation Method (PV Side)	Non-isolation
Isolation Method (Battery Side)	High-frequency isolation
Protection Rating	IP65
Dimension(W*H*D)	460*405*228 mm
Weight	22kg
Operating Temperature Range	- 10°C~60°C
Cooling Type	External Air Cooling
Relative Humidity	5~95%,Non-condensation
Display	LCD
Communication	RS485,CAN,WiFi(optional)
Certification	/
Warranty	5 years



Series off-grid Inverter

HY-GF1-12KAL-BP

[PV 90-450Vdc]

12KW 120(L1/N, L2/N)/240Vac(L1/L2)



Dual-channel MPPT



Max. efficiency >91%



OLED light touch screen



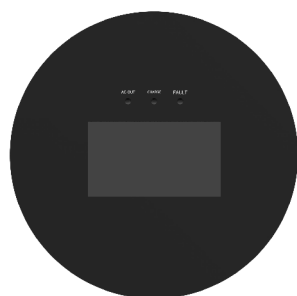
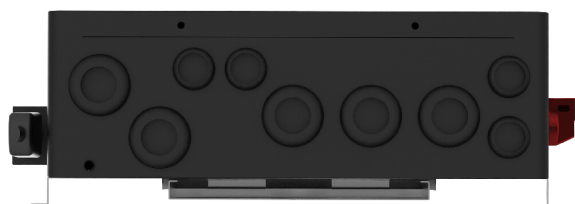
Flexible monitor mode



Extreme security



Accurate touch and quick response



Model	HY-GF1-12KAL-BP
Parallel mode	
Permitted parallel number	1~6
AC mode	
Rated input voltage	120(L1/N, L2/N)/240Vac(L1/L2)
Input phase voltage range	(85Vac~ 140Vac)±2%
Frequency	50Hz/60Hz (Auto detection)
Frequency Range	47±0.3Hz~55±0.3Hz (50Hz); 57±0.3Hz~65±0.3Hz (60Hz);
Overload/short circuit protection	Circuit breaker
Efficiency	>95%
Conversion time (bypass and inverter)	10ms (typical)
AC reverse protection	Yes
Maximum bypass phase overload current	2pole, 200A/200A(L1/L2)
Inverter mode	
Output voltage waveform	Pure sine wave
Rated output power (VA)	Split phase: 12000
	Single phase: 7200 (limited by the wiring terminals)
Rated output power (W)	Split phase: 12000
	Single phase: 7200 (limited by the wiring terminals)
Power factor	1
Rated output voltage (Vac)	120Vac (L1/N, L2/N)/240Vac(L1/L2)
Output voltage error	±5%
Output frequency range (Hz)	50Hz±0.3Hz/60Hz±0.3Hz
Maximum Efficiency	>91%
Overload protection	(105% < load <110%) ±5%: report error and turn off the output after 5 minutes; (110% < load < 125%) ± 5%: report error and turn off the output after 10 seconds; Load > 125% ±5%: report error and turn off the output after 5 seconds;
Peak power	Split phase: 18000VA Single phase: 18000VA
Loaded motor capability	6HP
Output short circuit protection	Can protect, after continuous short circuit for 1 second
Bypass circuit breaker phase specification	2pole, 200A/200A(L1/L2)
Rated battery input voltage	51.2V (Minimum starting voltage 44V)
Battery voltage range	40.0Vdc~58.6Vdc±0.6Vdc (Undervoltage alarm/shutdown voltage/overvoltage alarm /overvoltage recovery... settable on LCD screen)
Power saving mode self-consumption	Load per phase is null or less than 25W enter power-saving mode
AC charging	
Battery type	Lead acid or lithium battery
Maximum charge current(can be set)	160A
Charge current error	±5A _{dc}
Charge voltage range	40 ~58.6Vdc
Short ircuit protection	Circuit breaker and blown fuse
Circuit breaker phase specifications	2pole, 63A/63A(L1/L2)
Generator Mode	
Rated input voltage	120(L1/N, L2/N)/240Vac(L1/L2)
Input phase voltage range	(85Vac~ 140Vac)±2%
Frequency Range	40±0.3Hz~70±0.3Hz
Maximum charge current(can be set)	160A
Overload/short circuit protection	Circuit breaker
Circuit breaker phase specifications	2pole, 63A/63A(L1/L2)
PV charging	
Number of MPPT groups	2
Maximum PV open circuit voltage	500Vdc
PV operating voltage range	90Vdc~485Vdc
MPPT voltage range	90Vdc~485Vdc
Battery voltage range	40-58.6Vdc
Maximum PV input power	12000W+12000W
Maximum PV input current	27A+27A/32A+32A
PV charge current(can be set)	250A
Charging short circuit protection	Circuit breaker
Wiring protection	Reverse polarity protection
Hybrid charging Max charger current specifications (AC charger+PV charger)	
Max charger current (can be set)	0-250A
Certified specifications	
EMC certification level	FCC part15, CLASS B
Operating temperature range	-10°C to 55°C(>45°C derating)
Storage temperature range	-25°C ~ 60°C
Humidity range	5% to 95% (Conformal coating protection)
Noise	≤60dB
Heat dissipation	Forced air cooling, variable speed of fan
Communicati on interface	USB/RS485(/WiFi/GPRS)/ Dry node control
Size (L*W*D)	710mm*485mm* 145mm
Weight (kg)	37.5

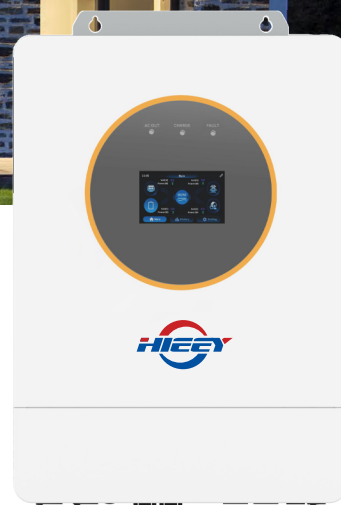


Series off-grid Inverter

HY-GF1-12KAL-US

[PV 90-500Vdc]

12KW 120(L1/N,L2/N)/240Vac(L1/L2)



Dual-channel MPPT



Max. efficiency >95%



OLED light touch screen



Flexible monitor mode



Extreme security



Accurate touch and quick response



Model	HY-GF1-12KAL-US
Mains mode	
Nominal input voltage	120(L1/N,L2/N)/240Vac(L1/L2)
Parallel Capability	YES,6 Units
Input phase voltage range	(85Vac~140Vac)±2%
Frequency	50Hz/60Hz(Auto detection)
Frequency range	47±0.3Hz~55±0.3Hz(50Hz);57±0.3Hz~65±0.3Hz(60Hz);
Max.efficiency	>95%
Conversion time(bypass and inverter)	10ms(typical)
Max.bypass phase overload current	2P,60A/60A(L1/L2)
Inverter mode	
Output voltage waveform	Pure sine wave
Nominal output power(VA)/(W)	Split phase:12000VA/12000W Single phase:7200VA/7200W(limited by the wiring terminals)
Power factor	1
Nominal output voltage(Vac)	120Vac(L1/N,L2/N)/240Vac(L1/L2)
Output frequency range(Hz)	50Hz±0.3Hz/60Hz±0.3Hz
Max.efficiency	>91%
Overload protection	(102%<load <110%)±5%:report error and turn off the output after 5 minutes; (110%<load<125%)±5%:report error and turn off the output after 10 seconds; Load>125%±5%:report error and turn off the output after 5 seconds;
Peak power	Split phase:18000VA Single phase:18000VA
Loaded motor capability	6HP
Nominal battery input voltage	51.2V(Minimum starting voltage 44V)
Battery voltage range	40.0Vdc~58.6Vdc±0.6Vdc(Undervoltage alarm/shutdown voltage/ overvoltage alarm/overvoltage recovery.settable on LCD screen)
Save power mode	Load≤25W enter power-saving mode
Mains charge	
Battery type	Lead acid or lithium battery
Max.charge current(configurable)	160A
Charge voltage range	40-60Vdc
Solar charge	
Max.PV open circuit voltage	500Vdc
PV operate voltage range	90Vdc~500Vdc
MPPT voltage range	90Vdc~450Vdc
Battery voltage range	40-60Vdc
Max.PV input power/current	9000W×2/27A×2
Charge current range(configurable)	250A
Max.hybrid charge current(PV+AC)	
Max.hybrid charge current(configurable)	0-250A
Certification	
Safety certification	UL1741/CSA C22.2#107.1
EMC certification level	FCC part15,CLASSB
Operate temperature range	-10℃ to 55℃(>45℃ derating)
Storage temperature range	-25℃~60℃
Humidity range	5% to 95%(Conformal coating protection)
Noise	≤60dB
Cooling	Forced air cooling,variable speed of fan
Communicate	USB/RS485(/WiFi/GPRS)/Dry node control
Dimensions(L*W*D)	620*450*132
Weight(kg)	23.8



Series off-grid Inverter

HY-GF1-12KAL-EU

[PV 80-500Vdc]

12KW 220/230Vac



Dual-channel MPPT



Max. efficiency >95%



OLED light touch screen



Flexible monitor mode



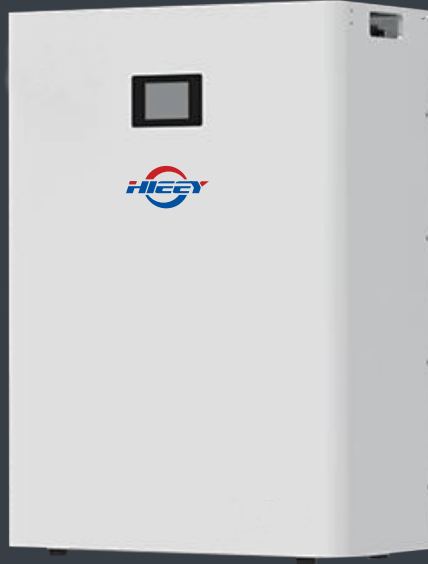
Extreme security



Parallel operation
with up to 6 units



Model	HY-GF1-12KAL-EU
Parallel mode(function reserved)	1-6
Allow quantity	BG1-6
Mains mode	
Nominal input voltage	220/230Vac
Input phase voltage range	(170Vac~280Vac)±2%(UPS mode);(90Vac-280Vac)±2%(APL mode)
Frequency	50Hz/60Hz(Autodetect)
Frequency range	47±0.3Hz~55±0.3Hz(50Hz);57±0.3Hz~65±0.3Hz(60Hz);
Max.efficiency	>95%
Conversion time(by pass and inverter)	10ms(Typical value)
Max.bypass phase overload current	60A
Inverter mode	
Output voltage waveform	Pure sine wave
Nominal output power(VA)/(W)	12000VA/12000W
Power factor	1
Nominal output voltage(Vac)	230Vac
Output frequency range(Hz)	50Hz±0.3Hz/60Hz±0.3Hz
Max.efficiency	>97%
Overload protection	(102%<load<125%)±10%:report error,turn off the output after 5 minutes; (125%<load<150%)±10%:report error,turn off the output after 10 seconds; load>150%±10%:report error,turn off the output after 5 seconds;
Peak power	22000VA
Loaded motor capability	7HP
Nominal battery input voltage	48V(Min.start voltage 44V)
Battery voltage range	40.0Vdc~60Vdc±0.6Vdc(Undervoltage alarm/shutdown voltage/ overvoltage alarm/overvoltage recovery...LCD screen can be set)
Save power mode	Load≤50W Enter save power mode
Mains charge	
Battery type	Lead acid or lithium battery
Max.charge current(configurable)	150A
Charge voltage range	40-60Vdc
Solar charge	
Max.PV open circuit voltage	500Vdc
PV operate voltage range	80Vdc~500Vdc
MPPT voltage range	90Vdc~450Vdc
Battery voltage range	40-60Vdc
Max.PV input power/current	5500W×2/22A×2
Charge current range(configurable)	0-150A
Max.hybrid charge current(PV+AC)	
Max.hybrid charge current(configurable)	0-150A
Certification	
Safety certification	CE(IEC62109-1,2),UL1741
EMC certification level	EN61000-6-1,EN61000-6-3,FCC15classB
Operate temperature range	-15℃to55℃
Storage temperature range	-25℃~55℃
Humidity range	5% to 95%(Three anti-paint protection)
Noise	≤60dB
Cooling	Forced air cooling, variable speed of fan
Communicate	USB/JRS485/(WiFi/GPRS)/ Dry node control
Dimensions(L*W*D)	550*365*130
Weight(kg)	20



HYP10240-YLV **LifePo4 Battery**

51.2V/200Ah/10.24KWh

Floor/Wall-mounted



6000

Cycle Life@25°C



10200W

Peak Power



No DIP Switch

Easy for commission



95%

Max Recommended DOD
(Capacity)



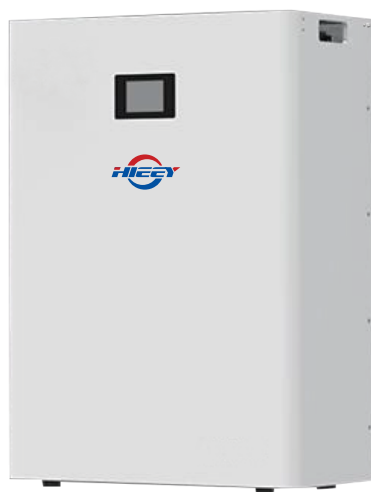
Versatile Installation

Wall/Ground Mounted



Great Expandability

Supports parallel connection
of 16 units



Model		HYP10240-YLV
Battery Type		LiFePO4 Prismatic
Nominal Energy		10.5kWh
Usable Energy*		9.975kWh
Nominal Capacity		205Ah
Nominal Voltage		51.2V
Operating Voltage		44.8-57.6V
Under Lead-acid Mode	Recommended Current	50A
	Recommended Voltage	48~55.2V
Recommended Charge&Discharge Current		100A/100A
Max Charge/Discharge Current		100A/200A
Peak Discharge Current		200A(5 mins,25°C)
Peak Discharge Power		10.2kW (5 mins,25°C)
Recommended Depth of Discharge (DOD)		95%
Charging Temp. Range		From 0~55°C
Discharging Temp. Range		From -20~55°C
Cycle Life		≥6000@25°C
Scalability		Up to 40 Parallel
Communication		CAN/ RS485
IP Rating		IP20
Recommended Humidity		5%~95%(No condensed water)
Cooling Type		Natural cooling
Color		White(optional)
Installation		Wall/Ground mounted
Net Weight		90kg
Dimension(L*W*H)		455*655*230mm
Protection		Over-current/Over-voltage/Short circuit/Under-voltage/Over temperature
Heating Protection		Optional
Fire Protection		Built-in aerosol
Display		LED Screen
Warranty		5/10 years*
Certification		UN38.3



HYP10240-ALV LifePo4 Battery

51.2V/200Ah/10.24KWh

Floor/Wall-mounted



Cycle life

>6000 Cycles @90%DOD



Consistency of battery cells

20 Years life span
Settable charging voltage



Intelligent BMS

Wider compatibility



Scalable: paralleled 32 sets

Battery:10.24kWh - 327.68kWh



Multiple installation method

Wall mounted, Floor mounted



Touch screen

Set communication protocol and DIP
View battery information



Model	HYP10240-ALV
Module Type	HYP 10.24 kWh-ALV
Nominal Voltage	51.2V
Operating Voltage Range	44.8~58.4V
Nominal Capacity	200Ah
Nominal Energy (at 25°C)	10.24kWh
DOD	90%
Charge/Discharge Current	100A
Max Charge/Discharge Current	200A
Charge Temperature	0~55°C
Discharge Temperature	-10~50°C
Relative Humidity	5% - 95%
Communication Interface	CAN / RS485
Enclosure Protection Rating	IP 52
Cooling Type	Natural cooling
Cycle Life	≥6000
Warranty	10 years
Life Span	20+ Years (25°C)
Max. Pieces of Parallel	32
Dimension (L*W*H)	735*399*277mm
Weight	89kg
Certificates	UN38.3/MSDS



HYP16000-ALV LifePo4 Battery

51.2V/314Ah/16KWh

Floor-mounted



Cycle life

>8000 Cycles @90%DOD



Intelligent BMS

Wider compatibility



Compact Design and Safety Protection



Consistency of battery cells

20 Years life span
Settable charging voltage



Scalable: paralleled 32 sets

Battery:16kWh - 512kWh

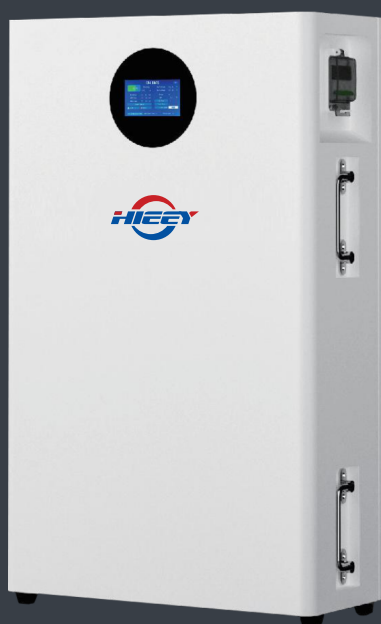


Touch screen

Set communication protocol and DIP
View battery information



Model	HYP16000-ALV
Module Type	HYP 16kWh-ALV
Nominal Voltage	51.2V
Operating Voltage Range	44.8~58.4V
Nominal Capacity	314Ah
Nominal Energy (at 25°C)	16kWh
DOD	90%
Charge/Discharge Current	100A
Max Charge/Discharge Current	200A
Charge Temperature	0~55°C
Discharge Temperature	-10~50°C
Relative Humidity	5% - 95%
Communication Interface	CAN / RS485
Enclosure Protection Rating	IP 52
Cooling Type	Natural cooling
Cycle Life	≥8000
Warranty	10 years
Life Span	20+ Years (25°C)
Max. Pieces of Parallel	32
Dimension (L*W*H)	968.5*409.7*278.2mm
Weight	115kg
Certificates	UN38.3/MSDS



HYP16000-ALV-US LifePo4 Battery

51.2V/314Ah/16KWh

Floor-mounted



High inverter compatibility



Natural cooling system



> 15 Years life span



Reliable LFP cells



Scalable up to 256kWh 16 (Parallel)



Cells cycle times 6000 cycles



CANbus standard connection



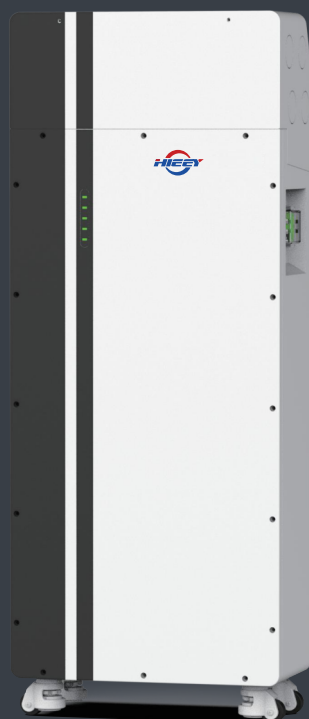
IP65 Rating
Triple hardware protection



Smart BMS system to optimize the performance



Model	HYP16000-ALV-US
Nominal Energy (at 25°C)	16kWh
Usable Capacity (90%DOD)	14.4kWh
Nominal Dis-/ Charge Power	10kW
Peak Power (Only Discharge)	11.6kW for 3 seconds
Constant Current (Only Discharge)	200A
Operating Voltage Range	43~58V
Nominal Voltage	51.2Vd.c
Weight	120kg
Dimensions (Width × Height × Depth)	530*900*245mm
Certificates	UL9540A/UL1973/IEC61000/IEC62619/CE/UN38.3/MSDS
Operating Condition	Indoor or outdoor
Operating Temperature Charge	From 0~60 °C
Operating Temperature Discharge	From -30~60 °C
Humidity	Up to 90%(non- condensing)
Pollution Degree	3
Over Voltage Category	II
Cooling Type	Natural cooling
IP Rating	IP 65
Protective Class	I
Max. Number of Parallel	16
Warranty	10 years
Life Span	>15 years
Communication Interface	CAN / RS485
Protection Mode	Triple hardware protection
Battery Protection	Over-current / Over-voltage Short circuit / Under-voltage



HYP16000-YLV-US LifePo4 Battery

51.2V/314Ah/16KWh

Floor-mounted



≥ 8000

Longer cycle life@25°C



IP 65

Both indoor and outdoor installation



Multiple Protection

Built-in smart BMS, breaker and fuse



Self-heating

Automatic self-heating -20°C to 55°C operating temperature



200A

Fast Charge/Discharge, maximum discharge current 200A



Fire Protection

Ultra safe with built-in fire extinguisher



Remote Monitoring

Real time monitoring of battery

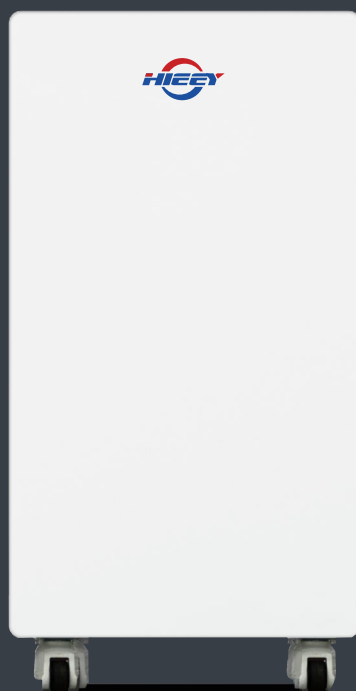


Parallel Connection

High scalability 16 parallel



Model		HYP16000-YLV-US
Battery Type		LiFePO4 Prismatic
Nominal Energy		16.07kWh
Usable Energy*		14.95kWh
Nominal Capacity		314Ah
Nominal Voltage		51.2V
Operating Voltage		48~56V
Under Lead-acid Mode	Recommended Current	80A
	Recommended Voltage	47.6~55.2V
Recommended Charge&Discharge Current		157A/157A
Max Charge/Discharge Current		157A/200A
Peak Discharge Current		240A(3S)
Peak Discharge Power		12kW(3S)
Recommended Depth of Discharge (DOD)		93%
Charge Temp. Range		From 0~50°C
Discharge Temp. Range		From -20~55°C
Cycle Life		>8000@25°C
Scalability		16 Parallel
Fire Protection		Built-in aerosol
Communication		CAN/ RS485
IP Rating		IP65
Recommended Humidity		5%~95%(No condensed water)
Cooling Type		Natural cooling
Color		White(Optional)
Installation		Floor-mounting/Stacked mounting
Net Weight		145kg
Dimension(L*W*D)		480*1225*235mm
Protection		Over-current/Over-voltage/Short circuit/Under-voltage/Over temperature
Top Cover		Yes (Optional)
Heating Module		Yes (Optional)
Warranty		5/10 years* (Optional)
Certification		UN38.3/CE/IEC 62619(Cell)



HYP16067-YLV **LifePo4 Battery**

51.2V/314Ah/16KWh

Floor-mounted



>8000

Cycle Life@25°C



Voltage Wake-up

Under off-grid System Environment



Fast Charge/Discharge

Max Charge/Discharge Current:200A



New&Old Batteries can be used in together

Connect in Parallel



Smart BMS

Intelligent management & maintenance of battery systems



Remote Monitoring

Real time monitoring of electricity usage and equipment operation



Parallel& Series

Adapting to series or parallel connection



Voltage Balancing

Voltage Balancing between Battery Cells&Battery Pack



Model		HYP16067-YLV
Battery Type		LiFePO4 Prismatic
Nominal Energy		16.076kWh
Usable Energy*		14.95kWh
Nominal Capacity		314Ah
Nominal Voltage		51.2V
Operating Voltage		48~56V
Under Lead-acid Mode	Recommended Current	100A
	Recommended Voltage	48~55.2V
Recommended Charge&Discharge Current		150A/150A
Max Charge/Discharge Current		200A/200A
Peak Discharge Current		250A(3S)
Peak Discharge Power		12kW(3S)
Recommended Depth of Discharge (DOD)		93%
Charging Temp. Range		From 0~55°C
Discharging Temp. Range		From -10~55°C
Cycle Life		>8000@25°C
Scalability		16 Parallel/12 Series
Communication		CAN/ RS485
IP Rating		IP20
Recommended Humidity		5%~95%(No condensed water)
Cooling Type		Natural cooling
Color		White(Optional)
Installation		Rack mounting/Ground Installation
Net Weight		116kg
Dimension(L*W*D)		855*450*235mm
Protection		Over-current/Over-voltage/Short circuit/Under-voltage/Over temperature
Heating Module		Optional
Fire Protection		Built-in aerosol
Warranty		10 years*
Certification		CE/UN38.3



 <http://www.hieey-ne.com>
<http://www.hieey-ne.cn>

 admin@hieey-ne.com

 Factory Add:

Xiapu industrial area, Beilun district, Ningbo, China

Warehouse Add (USA):

1. ONT1 - 5450 E. Francis Street, Ontario, CA 91761, USA
2. HOU2 - 645 Independence Pkwy, La Porte, TX 77571, USA
3. EWS1 - 28 Gateway Commerce Center Dr. W, Edwardsville, IL 62025, USA
4. SAV1 - 1001 Trade Center Parkway, Building 4A, Rincon, GA 31326, USA
5. DYT2 - 839 Railroad Ave, Roebling, NJ 08554, USA