

Deyi Renewable Energy

Deyi Renewable Energy Co., Ltd is a comprehensive service provider of renewable energy solutions, invested by HPY and ESUN.

The company primarily runs business of solar and wind Energy, including the engineering, R&D and production of the core products of inversion and controlling, as well as the development, installation and maintenance of the solution products for commercial&industrial use, civilian use, police use, military use, etc. To assist business and serve customer better, we also run a self-developed online service platform (MNENET).

After nearly two decades of development, we have built a mature product system and sales network, and will continue to give full play to our professional advantage to bring more premium products and service to people all over the world.

287 MW

Off-grid Installation

1.5 GW

On-grid Installation

01 | Off-grid

By Apr. 2025, totally sold off-grid system about 33000 sets

02 | On-grid

By Apr. 2025, totally constructed on-grid station about 1.5GW

SOLAR INVERTER



HFP SERIES

HYBRID SOLAR INVERTER

1KW-12.3KW



Pure sine wave



WiFi



Two-way energy storage design



Configurable working mode



Support working without battery



RS485

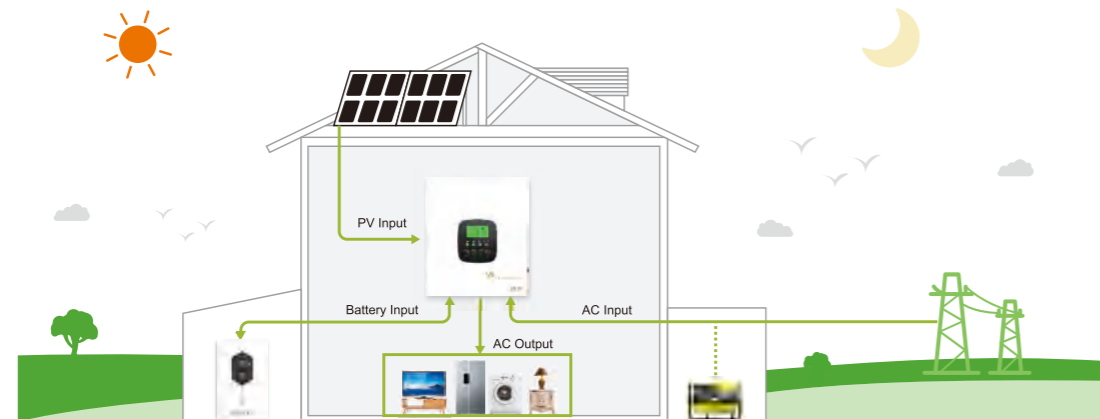
Features

- Adopting high-frequency design, high power density, small size, and high overall efficiency;
- Bidirectional energy storage design, which can achieve bidirectional flow control of electrical energy, and both photovoltaic and mains electricity can be charged to the battery;
- Ultra wide MPPT range, with a minimum of 40Vdc(24V models) / 80Vdc (48V models);
- Capable of setting working modes (grid connected mode, off grid mode, hybrid mode);
- Equipped with grid connected current setting function;
- Equipped with output priority setting function;
- Equipped with charging priority setting function;
- Equipped with lithium battery BMS communication function;
- Support battery-less operation mode.

OEM/ODM



Connection Diagram



Technical Parameters

Model: HFP	10212	13212	18212	18224	23224	33224	43224	50248	63248	83248	103248	123248
Rated Power	1000W	1300W	1800W	1800W	2300W	3300W	4300W	5000W	6300W	8300W	10.3KW	12.3KW
PV Input												
Max PV Input Power	1500W	2000W	2500W	2500W	3000W	5000W	6000W	7000W	4500W*2	6000W*2	6000W*2	6000W*2
MPPT Tracking Voltage Range	30Vdc-240Vdc			40Vdc-350Vdc			40Vdc-450Vdc			80Vdc-450Vdc		
Rated Voltage	180Vdc			240Vdc						280Vdc		
Max PV Input Voltage (VOC) (at the lowest temperature)	300Vdc			400Vdc			500Vdc					
Max PV Input Current	13A	15A			18A			27A	18A*2	22A*2	27A*2	
MPPT Tracking Channels(Input Routed)	1 Routed								2 Routed			
Battery & Charging												
Battery Type	Lead-acid Battery/Lithium Battery											
	Custom Battery (Charging and discharging parameters of different types of batteries can be set through the operation board)											
Rated Battery Voltage	12Vdc			24Vdc			48Vdc					
Battery voltage Range	10.5-15Vdc (default)			21-30Vdc (default)			42-60Vdc (default)					
Max PV Charging Current	60A	80A	100A	60A	80A	120A	150A	100A	120A	150A	180A	200A
Max AC Charging Current	40A	50A	65A	35A	50A	80A	100A	60A	80A	100A	120A	140A
Max Charging Current	60A	80A	100A	60A	80A	120A	150A	100A	120A	150A	180A	200A
Off-Grid Operation												
AC Input												
Rated Input voltage	230V (220V or 240V Can be set)											
Mains input voltage range	165Vac-280Vac / 120Vac-280Vac (Can be set)											
Rated Input Frequency	50Hz / 60Hz											
Input Frequency Range	45Hz-55Hz(50Hz),55Hz-65Hz(60Hz)											
AC Output												
Rated Output Voltage	230V (220V or 240V Can be set)											
Output Voltage Accuracy	±2%											
Rated Input Frequency	50Hz / 60Hz											
Output Frequency Accuracy	±1%											
Output Wave	Pure Sine Wave											
Hybrid Operation												
AC Input												
Rated Input voltage	230V (220V or 240V Can be set)											
Mains input voltage range	187Vac-264Vac											
Rated Input Frequency	50Hz / 60Hz											
Input Frequency Range	47Hz-52Hz(50Hz),57Hz-62Hz(60Hz)											
AC Output												
Rated Voltage Rated	230Vac (220Vac or 240Vac Can be set)											
Output Current	4.3A	5.6A	7.8A	7.8A	10A	14.3A	18.7A	21.7A	27.4A	36.1A	44.9A	53.5A
On-Grid Operation												
AC Output												
Rated Output Voltage	230Vac (220Vac or 240Vac Can be set)											
Grid Voltage Range	187Vac ~ 264Vac											
Rated Output Frequency	50Hz / 60Hz											
Frequency Range	47Hz-52Hz(50Hz),57Hz-62Hz(60Hz)											
Rated Output Current	4.3A	5.6A	7.8A	7.8A	10A	14.3A	18.7A	21.7A	27.4A	36.1A	44.9A	53.5A
Power Factor	> 0.98(Rated Power)											
Regular Parameters												
Maximum Conversion Efficiency (Battery Discharge)	94%(peak value)											
No load loss (Battery Discharge)	1% Rated Power (Typical value)											
MPPT Tracking Efficiency	≥99.9											
Transfer Time	10ms(Typical value)											
Display	LCD+LED											
Cooling Method	Cooling fan in intelligent control											
Communication	RS485/Mobile APP(WIFI Monitoring or GPRS monitoring)(Optional)											
Protection Degree	IP20											
Installation	Wall-Mounted											
Protect												
Battery low voltage alarm	11Vdc(default value)			22Vdc (default value)			44Vdc (default value)					
Battery low voltage protection	10.5Vdc(default value)			21Vdc (default value)			42Vdc (default value)					
Anti-islanding protection	≤2S											
Overload power protection	Automatic Protection (battery mode),Circuit Breaker or Insurance (AC mode)											
Output short circuit protection	Automatic Protection (battery mode),Circuit Breaker or Insurance (AC mode)											
Temperature protection	>90°C (turn off inverter and charging)											
Environment												
Operating temperature	-10C-50°C											
Storage temperature	-15C-60°C											
Nois	≤55dB											
Elevation	2000m (More than derating)											
Humidity	0%-95% ,No condensation											
Dimensions And Weight												
Product Size(L*W*Hmm)	265*231*91	285*250*91	310*250*91	285*250*91	325*275*102	375*297*102	390*320*112	515*365*117	535*462*117	630*540*130		
Package Size(L*W*Hmm)	340*286*156	360*305*156	385*305*156	360*305*156	400*330*167	450*352*167	465*375*187	615*460*212	630*557*212	730*635*225		
N.W.(kg)	3	3.6	4	3.7	3.9	5.5	6.7	7	8	13	14.7	22
G.W.(kg)	3.5	4.5	5	4.6	4.8	6.5	7.7	8	9.5	14.5	16.7	24.5

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized according to the actual situation of users.

LF SERIES

LOW FREQUENCY INVERTER / SOLAR INVERTER

1.5KW-12KW



Pure sine wave



MPPT



WiFi



Dual output voltage



Configurable Battery



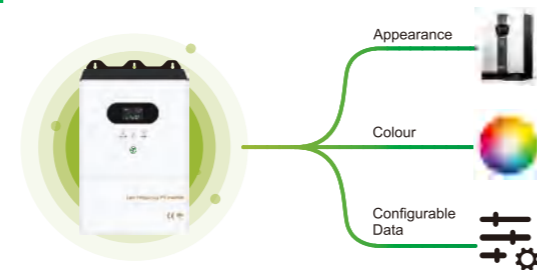
RS485



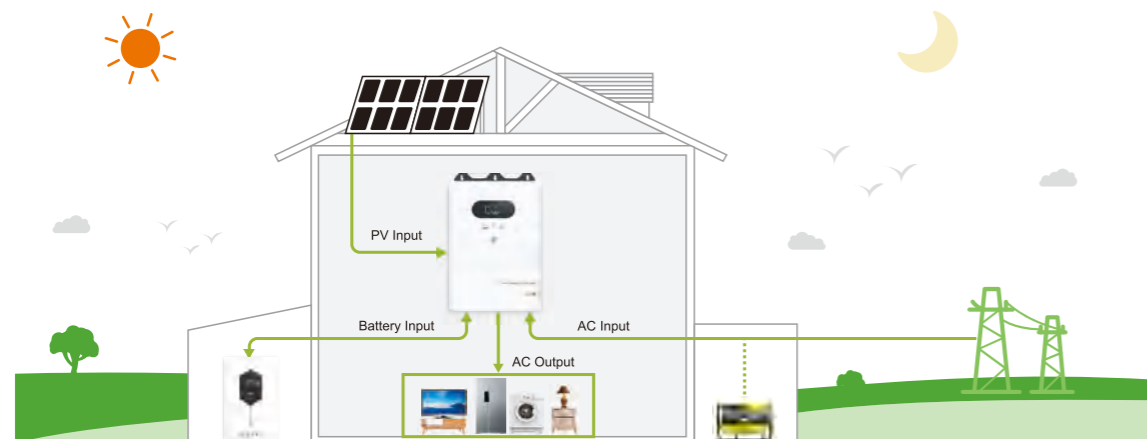
Features

- Pure sine wave, toroidal low loss transformer, customizable mode dual output voltage.
- Smart LCD show equipment status and parameters.
- The adjustable mains charging current range is 0-30A.
- Suffer 3 times peak power, ensure the safe and stable operation of the equipment.
- Support diesel and gasoline generators, suitable for various power grid.
- Suitable for industrial and residential used, wall-mounted design.

OEM/ODM



Connection Diagram



Technical Parameters

Model: LF	152 (12/24/48)	202 (12/24/48)	302 (24/48)	402 (24/48)	50248	60248	80248	10348	12348
Power	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10KW	12KW
Built-in Controller MPPT (optional)									
Rated Current	60A		100A			100A			
Maximum PV Input Power	12V(840W)/24V(1680W)/48V(3360W)			24V(2800W)/48V(5600W)			5600W		
Max PV Input Voltage(Voc) (At The Lowest Temperature)	12V/24V system: 120VDC; 48V system: 180VDC								
MPPT Tracking Voltage Range	12V system (15V-80V)/24V system (30V-100V)/48V system (60V-140V)								
Battery									
Standard Battery Voltage	12/24/48VDC		24/48VDC			48VDC			
Battery Type	Lead-acid battery / Lithium battery / Custom battery								
Battery Voltage Input Range	10.5V-15V (12V system); 21V-30V (24V system); 42V-60V (48V system) (default value)								
AC Input									
Rated Input Voltage	220VAC (230VAC or 240V Can be set)								
AC Input Voltage Range	170VAC~275VAC(220VAC) / 180VAC~285VAC(230VAC) / 190VAC~295VAC(240VAC)								
AC Input Frequency	45Hz~55Hz(50Hz), 55Hz~65Hz(60Hz)								
AC Output									
Output Wave / Conversion Efficiency	Pure Sine Wave / > 85%								
AC Output Voltage / Frequency Range (INV Mode)	220VAC±2% / 230VAC±2% / 240VAC±2%, 50/60Hz±1%								
Other									
No load loss (Battery Discharge)	1% Rated Power (Typical value)								
Protection	Battery undervoltage alarm/battery undervoltage protection/battery overvoltage protection/ overload power protection/short circuit protection/temperature protection								
Protection Degree	IP20								
Display	LCD								
Cooling Method	Cooling Fan in Intelligent Control								
Communication	RS485/APP (WIFI monitoring or GPRS monitoring) (Optional)								
Working Mode(settable)	Battery Priority/Mains Priority								
Operating Temperature	-15°C~40°C								
Elevation	2000m (More than derating)								
Relative Humidity	0%~95% (No Condensation)								
Dimensions and Weight									
Product Size (L*W*Hmm)	470*300*148			530*335*158			684*430*250		
Package Size(L*W*Hmm)	545*385*223			605*420*238			690*470*270		
N.W.(kg)	13.5	18	20	22	25	27	53	57	62
G.W.(kg)	15	19.5	21.5	24	27	30	60	64	70

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized according to the actual situation of users.

WF SERIES

LOW FREQUENCY INVERTER / SOLAR INVERTER

700W-40KW



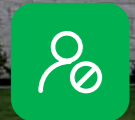
Pure sine wave



MPPT



WiFi



Unattended Function



Configurable Battery



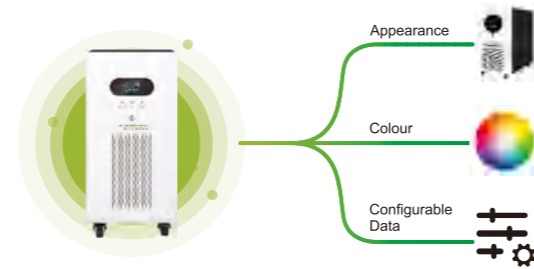
RS485



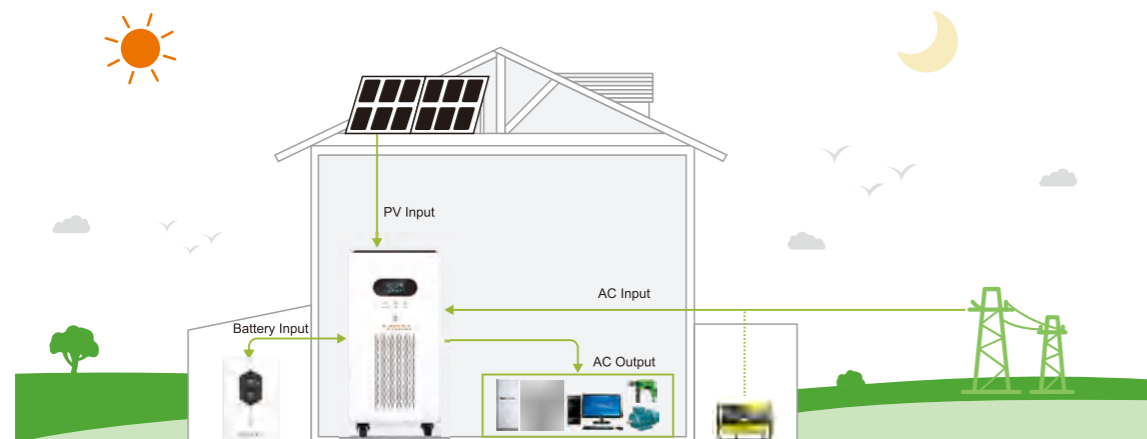
Features

- With Toroidal low-loss transformer, high-efficiency inverter conversion, pure sine wave output.
- Intelligent LCD display.
- The adjustable mains charging current range is 0-20A.
- Provide adjustable working modes: mains priority, inverter priority.
- Optional built-in PWM or MPPT solar controller to achieve high-efficiency charging.
- Support diesel and gasoline generators, suitable for various grid power.
- Support RS485 communication /mobile APP (optional).

OEM/ODM



Connection Diagram



Technical Parameters

Model:WF	701(12/24)	102(12/24)	152(24/48)	20224/48	302(24/48)	352(48/96)	402(48/96)	502(48/96)	602(48/96)	702(48/96/192)
Rated Power	700W	1000W	1500W	2000W	3000W	3500W	4000W	5000W	6000W	7000W
Built-in Controller MPPT (optional)										
Rated Current	30A			60A			48V:100A,96V:60A			
Maximum PV Input Power	12V(420W) / 24V(840W) / 48V(1680W)			24V(1680W) / 48V(3360W) / 96V(6720W)			48V (5600W) /96V(6720W)			
Max PV Input Voltage(Voc) (At The Lowest Temperature)	12V/24V system : 120VDC ; 48V system : 180VDC ; 96V system : 300VDC									
MPPT Tracking Voltage Range	12V system (15V-80V) ; 24V system (30V-100V) ; 48V system (60V-140V) ; 96V system (120V-240V)									
Battery										
Standard Battery Voltage	12/24VDC	12/24VDC	24/48VDC	24/48VDC	24/48VDC	48/96VDC	48/96VDC	48/96VDC	48/96VDC	48/96/192VDC
Battery Type	Lead-acid battery / Lithium battery / Custom battery									
Battery Voltage Input Range	10.5V-15V (12V system); 21V-30V (24V system); 42V-60V (48V system); 84V-120V (96V system); 168V-240V (192V system) (default value)									
Dimensions and Weight										
Product Size(L*W*Hmm)	340*165*283			410*200*350			491*260*490			
Packing Size(L*W*Hmm)	405*230*350(1PC) / 478*420*364(2PC)			475*265*410			545*315*550			
N.W.(kg)	9.5(1PC)	10.5(1PC)	11.5(1PC)	17	20.5	21.5	29	30	31.5	36
G.W.(kg)	11(1PC)	12(1PC)	13(1PC)	19	22.5	23.5	32	33	34.5	39
Model:WF	802(48/96/192)	103(48/96/192)	123(48/96/192)	153(192)	203(192)	253(240)	303(240)	403(384)		
Rated Power	8KW	10KW	12KW	15KW	20KW	25KW	30KW	40KW		
MPPT Solar Controller (Optional)										
Rated Current	48V:100A, 96V:100A, 192V:50A			100A			100A			
Maximum PV Input Power	48V(5600W)/96V(11.2KW)/192V(11.2KW)			192V(11.2KW*2)/240V(14KW*2)			240V(14KW*2)/384V(22.4KW*2)			
Max PV Input Voltage(Voc) (At The Lowest Temperature)	48V system:180VDC ; 96V system:300VDC ; 192V system:450VDC ; 240V system:500VDC ; 384V system:800VDC									
MPPT Tracking Voltage Range	48V system(60V-140V); 96Vsystem(120V-240V); 192Vsystem(240V-360V); 240Vsystem(300V-400V); 384Vsystem(480V-640V)									
Battery										
Standard Battery Voltage	48/96/192VDC	48/96/192VDC	48/96/192VDC	192VDC	192VDC	240VDC	240VDC	384VDC		
Battery Type	Lead-acid battery / Lithium battery / Custom battery									
Battery Voltage Input Range	42V-60V (48V system); 84V-120V (96V system); 168V-240V (192V system); 210V-300V (240V system); 336V-480V (384V system) (default value)									
AC Input										
Rated Input Voltage	220VAC (230VAC or 240VAC Can be set)									
AC Input Voltage Range	145VAC~275VAC(220VAC) / 155VAC~285VAC(230VAC) / 165VAC~295VAC(240VAC) (700W~7000W) 185VAC~255VAC(220VAC) / 195VAC~265VAC(230VAC) / 205VAC~275VAC(240VAC) (8KW~40KW)									
AC Input Frequency	45Hz~55Hz (50Hz) , 55Hz~65Hz (60Hz)									
AC Output										
Output Wave	Pure Sine Wave									
Conversion Efficiency	>85%									
AC Output Voltage / Frequency Range (INV Mode)	220VAC±2% / 230VAC±2% / 240VAC±2% , 50/60Hz±1%									
Other										
No load loss (Battery Discharge)	1% Rated Power (Typical value)									
Protection	Battery undervoltage protection/Battery overvoltage protection/Overload power protection/Inverter output short circuit protection/Temperature protection									
Protection Degree	IP20									
Display	LCD									
Cooling Method	Cooling Fan in Intelligent Control									
Communication	RS485/APP (WiFi monitoring or GPRS monitoring) (Optional)									
Working Mode(settable)	Battery Priority/Mains Priority									
Operating Temperature	-15°C~40°C									
Elevation	2000m (More than derating)									
Relative Humidity	0%~95% ,(No Condensation)									
Dimensions and Weight										
Product Size(L*W*Hmm)	540*350*695			593*370*820			721*400*1002			
Packing Size(L*W*Hmm)	600*410*810			656*420*937			775*465*1120			
N.W.(kg)	66	70	77	110	116	123	167	192		
G.W.(kg)	77	81	88	124	130	137	190	215		

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized according to the actual situation of users.

DF SERIES

LOW FREQUENCY INVERTER / SOLAR INVERTER

1KW-12KW



Pure sine wave



MPPT



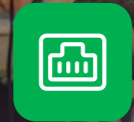
WiFi



Alarm&Protection



Configurable Battery



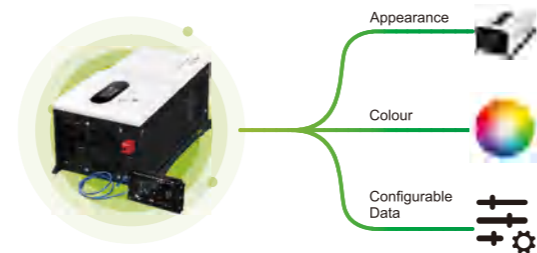
RS485



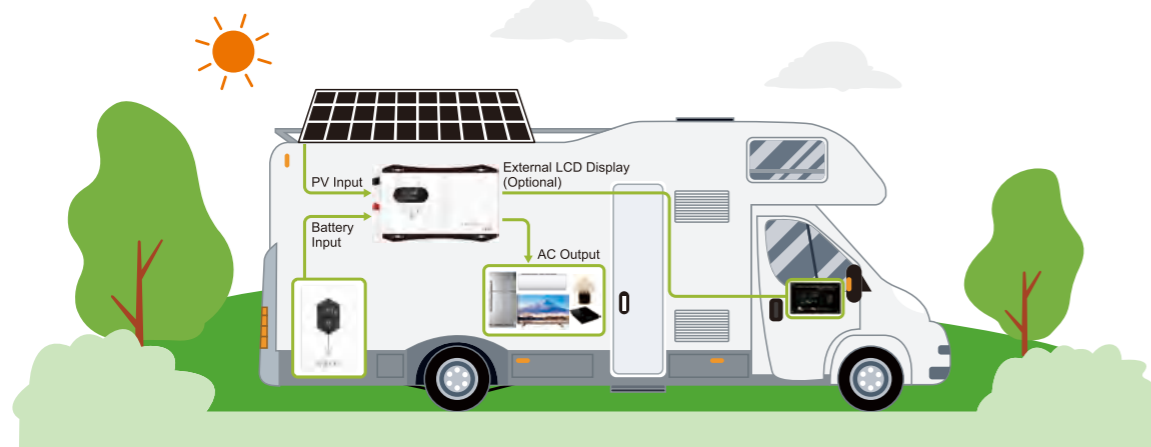
Features

- Supports internal and external two LCD screen display, and the external LCD is one key operation.
- Micro-processing chip design to improve the computing speed and stability of the equipment.
- LCD display, setting parameters and equipment operating status.
- The adjustable mains charging current range is 0-30A.
- Working modes: grid priority, inverter priority.
- Optional built-in PWM or MPPT solar controller to achieve high-efficiency charging.
- Support diesel and gasoline generators, suitable for various grid power.

OEM/ODM



Connection Diagram



Technical Parameters

Model: DF	102 (12/24/48)	152 (12/24/48)	202 (12/24/48)	302 (24/48)	402 (24/48)	50248	60248	70248	80248	10348	12348	
Rated Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W	7000W	8000W	10KW	12KW	
Built-in Controller MPPT (optional)												
Rated Current	60A			100A		100A						
PV Array Max Power	12V(840W)/24V(1680W) /48V(3360W)				24V(2800W)/ 48V(5600W)		5600W					
Max PV Input Voltage(Voc) (At The Lowest Temperature)	12V/24V system: 120VDC, 48V system: 180VDC											
MPPT Tracking Voltage Range	12V System(15V-80V) / 24V System(30V-100V) / 48V System(60V-140V)											
Battery												
Standard Battery Voltage	12/24/48VDC		24/48VDC		48VDC			48VDC				
Battery Type	Lead-acid / Gel / Lithium Battery / Custom battery											
Battery Voltage Input Range	10.5V-15V (12V system); 21V-30V (24V system); 42V-60V (48V system) (default value)											
AC Input												
Rated Input Voltage	220VAC (230VAC or 240VAC Can be set)											
AC Input Voltage Range	170VAC~275VAC(220VAC) / 180VAC~285VAC(230VAC) / 190VAC~295VAC (240VAC)											
AC Input Frequency	45Hz~55Hz(50Hz) , 55Hz~65Hz(60Hz)											
AC Output												
Output Wave	Pure Sine Wave											
Conversion Efficiency (INV mode)	> 85%											
Output Voltage/Frequency (INV mode)	220VAC±2% / 230VAC±2% / 240VAC±2%, 50/60Hz±1%											
Other												
No load loss (Battery Discharge)	1% Rated Power (Typical value)											
Protection Devices	Battery undervoltage protection/Battery overvoltage protection/Overload power protection/ Inverter output short circuit protection/Temperature protection											
Protection Degree	IP20											
Display	LCD											
Cooling Method	Cooling fan in intelligent control											
Communication	RS485,APP(WIFI monitoring or GPRS monitoring) (Optional)											
Working Mode(settable)	Battery priority/Mains priority											
Operating Temperature	-15°C~40°C											
Elevation	2000m (More than derating)											
Relative Humidity	0%~95% ,No condensation											
Dimensions and Weight												
Product Size(L*W*Hmm)	482*328*191				615*353*191				720*363*256			
Packing Size(L*W*Hmm)	555*370*249				675*395*249				785*380*325			
N.W.(kg)	14	15	17.5	19.5	24	26	29	31	50	55	58	
G.W.(kg)	15	16	18.5	21	25.5	27.5	30.5	32.5	56.5	62	65	

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized according to the actual situation of users.

HU SERIES

SPLIT PHASE HIGH FREQUENCY INVERTER / SOLAR INVERTER

10KW-12KW



Pure sine wave



MPPT



WiFi



Dual output voltage



Configurable Battery



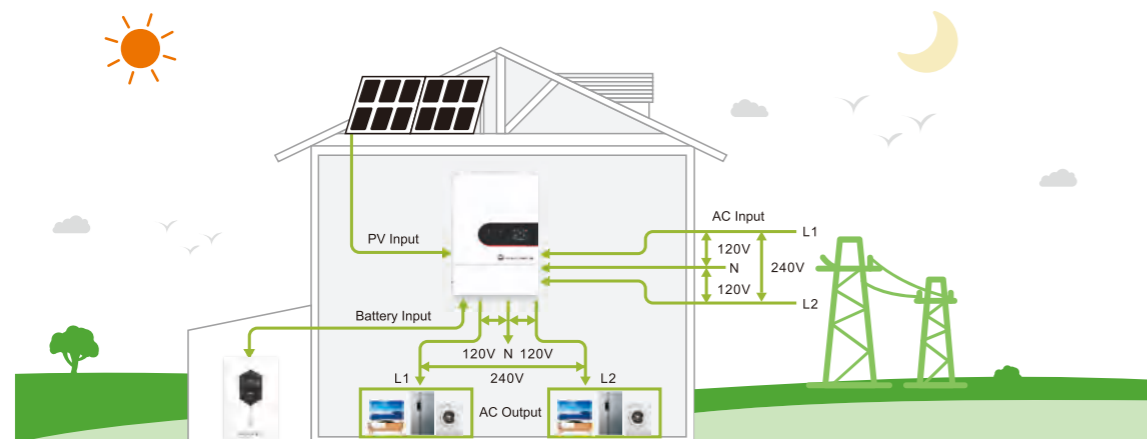
RS485



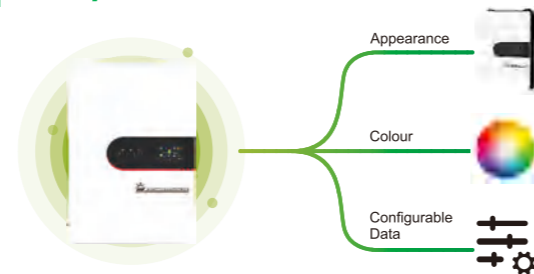
Features

- Pure sine wave output;
- Support setting split phase input/split phase output or American standard single-phase input/American standard single-phase output function;
- High frequency design, high efficiency, low no-load loss;
- Built in MPPT solar controller, with a maximum solar input voltage of 500V;
- Support hybrid solar and mains power supply for load power and battery charging;
- Intelligent panel settings (working mode, charging current, charging voltage, AC output voltage/frequency, etc.);
- Support supplying power to loads without batteries (not running in parallel);
- Supports up to 6 parallel operations (single-phase parallel or three-phase parallel);
- Support the function of setting charging and discharging in different time periods, utilizing peak and valley electricity prices to save electricity costs;
- Multiple protection functions (overload, over temperature, short circuit protection, etc.);
- Equipped with lithium battery activation function and supporting lithium battery BMS communication function;
- Support multiple external communication functions.

Connection Diagram



OEM/ODM



Technical Parameters

Model: HU	10348	12348
Rated Power	10KW	12KW
PV Input		
Max PV Input Power	5500W*2	6500W*2
MPPT Tracking Voltage Range	125Vdc~425Vdc	
Rated Voltage	360Vdc	
Max PV Input Voltage voc (at the lowest temperature)	500Vdc	
Max PV Input Current	22A*2	
MPPT Tracking Channels (Input Routed)	2 Routed	
Battery & Charging		
Battery Type	Lead-acid Battery/Lithium Battery	
	Custom Battery (Charging and discharging parameters of different types of batteries can be set through the operation board)	
Rated Battery Voltage	48Vdc	
Battery Voltage Range	42~60Vdc (default)	
Max PV Charging Current	200A	220A
Max AC Charging Current	120A	140A
Max Charging Current	200A	220A
AC Input		
Rated Input Voltage	Single Phase Input	100/105/110/120Vac
	Split Phase Input	L1-N-L2 (L1-L2: 200/210/220/240Vac; L1-N/L2-N: 100/105/110/120Vac)
Range Of Mains Input Voltage	Single Phase Input	85/90~140Vac
	Split Phase Input	L1-N-L2 (L1-L2: 170/180~280Vac; L1-N/L2-N: 85/90~140Vac)
Rated Input Frequency	50Hz/60Hz	
AC Output		
Rated Output Voltage	Single Phase Input	100/105/110/120Vac
	Split Phase Input	L1-N-L2 (L1-L2: 200/210/220/240Vac; L1-N/L2-N: 100/105/110/120Vac)
Output Voltage Accuracy	±2%	
Rated Input Frequency	50Hz/60Hz	
Output Frequency Accuracy	±1%	
Output Wave	Pure Sine Wave	
Regular Parameters		
Maximum Conversion Efficiency (battery Discharge)	92% (peak value)	
No Load Loss (battery Discharge)	1% Rated Power (Typical value)	
Mppt Tracking Efficiency	≥99.9	
Transfer Time	10mS (Typical value)	
Display	LCD+LED	
Cooling Method	Cooling fan in intelligent control	
Communication	USB/RS485/dry contact/mobile app (WIFI monitoring or GPRS monitoring) (optional)	
Protection Degree	IP20	
Installation	Wall-Mounted	
Overload Protection	After triggering overload protection, the inverter will resume output after 3 minutes. If there are 5 consecutive overloads, the output will be turned off until the inverter restarts. (102%<load<110%) ± 10%: Error reported, output turned off after 5 minutes. (110%<load<125%) ± 10%: Error, turn off output after 10 seconds. Load>125% ± 10%: Error reported, output turned off after 5 seconds.	
Anti-islanding Protection	≤2S	
Overload Power Protection	Automatic Protection (battery mode),Circuit Breaker or Insurance (AC mode)	
Inverter Output Short Circuit Protection	Automatic Protection (battery mode),Circuit Breaker or Insurance (AC mode)	
Temperature Protection	> 90 °C(Turn off inverter and charging)	
Operating Temperature	-10°C~50°C	
Storage Temperature	-15°C~60°C	
Noise	≤55dB	
Elevation	2000m (More than derating)	
Humidity	0%~95% ,No condensation	
Dimensions and Weight		
Product Size(L*W*Hmm)	630*445*136.5	
Packing Size(L*W*Hmm)	725*540*225	
N.W.(kg)	21	21.5
G.W.(kg)	22	22.5

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized according to the actual situation of users.

LU SERIES

SPLIT PHASE LOW FREQUENCY INVERTER / SOLAR INVERTER 3KW-12KW



Pure sine wave



MPPT



WiFi



Dual output voltage



Configurable Battery



RS485



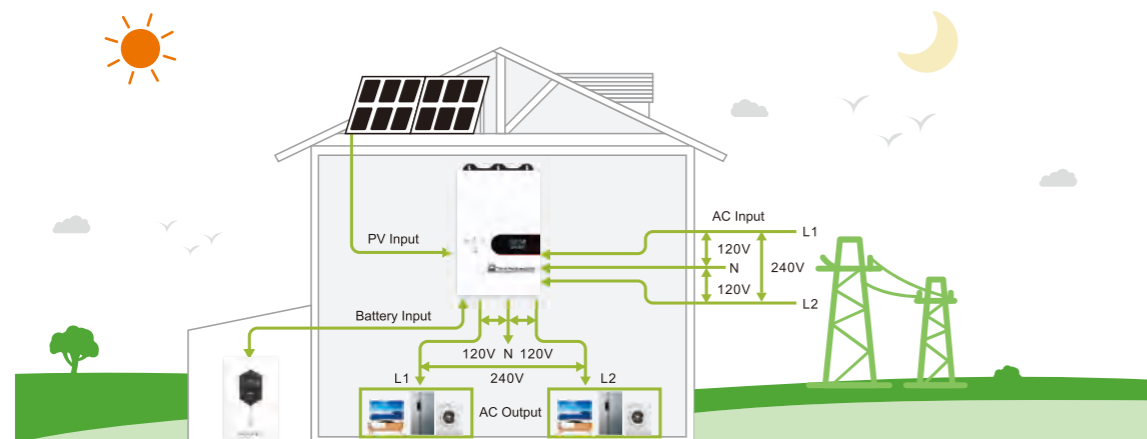
Features

- Equipped with split phase input/output function;
- Support split phase/single-phase input setting function;
- New exterior design with built-in photovoltaic MPPT controller;
- Circular low loss transformer, high inverter efficiency, pure sine wave output;
- Intelligent LCD integrated display;
- The charging current of the mains power can be set, making the user's battery capacity configuration more flexible;
- It has the function of setting working modes;
- Equipped with lithium battery BMS communication function;
- Equipped with fully automatic and comprehensive protection functions;
- Support diesel (gasoline) generators, suitable for working in harsh electrical environments;
- Wall mounted installation design, easy to install.

OEM/ODM



Connection Diagram



Technical Parameters

Model : LU/LUT	30248	50248	60248	80248	10348	12348
Rated Power	3000W	5000W	6000W	8000W	10KW	12KW
Start Motor	3HP	4HP	4HP	5HP	7HP	7HP
Battery Voltage	48VDC					
Max AC charging current	15A	25A	30A	35A	45A	50A
Installation Method	Wall-Mounted					
Built-in Controller MPPT (optional)						
Charging Mode	MPPT					
Charging current	100A			200A		
MPPT Tracking Voltage Range	60VDC-140VDC			60VDC-240VDC		
Max PV Input Voltage(Voc) (At the lowest temperature)	180VDC			300VDC		
PV Array Maximum Power	5600W			11.2KW		
MPPT Tracking Channels/Input Channels	1/1 Routed			1/2 Routed		
Battery						
VRLA Battery	Charge Voltage :56.8; Float Voltage:55.2V(Single battery voltage)					
Battery Type	Lead-acid Battery/Lithium Battery					
	Customize battery; Charging and discharging parameters of different types of batteries can be customized according to user requirements (charging and discharging parameters of different types of batteries can be set through the operation panel)					
Battery Voltage Input Range	42V-60V (48V system) (default value)					
AC Input						
DC Input Voltage Range	42-60VDC					
AC Input Voltage Range	Single Phase Mainsinput Mode	N-L1: 80VAC-133VAC(105VAC)/85VAC-138VAC(110VAC)/90VAC-143VAC(115VAC)/95VAC-148VAC(120VAC)				
	Split Phase Mainsinput Mode	L1-N-L2 105VAC;(L1-L2:160VAC~266VAC , L1-N/L2-N:80VAC~133VAC); 110VAC;(L1-L2:170VAC~276VAC , L1-N/L2-N:85VAC~138VAC) 115VAC;(L1-L2:180VAC~286VAC , L1-N/L2-N:90VAC~143VAC); 120VAC;(L1-L2:190VAC~296VAC , L1-N/L2-N:95VAC~148VAC)				
AC Input Frequency Range	45Hz~55Hz(50Hz) / 55Hz~65Hz(60Hz)					
AC charging method	Three-stage (constant current, constant voltage, floating charge)					
AC Output						
Efficiency(Battery Mode)	≥85%					
Output Voltage(Battery Mode)	L1-N/L2-N : 110VAC or 120VAC ; L1-L2: 220VAC or 240AC					
Output Frequency(Battery Mode)	50/60Hz±1%(can be set)					
Output Wave(Battery Mode)	Pure Sine Wave					
Efficiency(AC Mode)	≥99%					
Output Voltage(AC Mode)	Follow input					
Output Frequency(AC Mode)	Follow input					
Output waveform distortion (Battery Mode)	≤3% (Linear load)					
No load loss(Battery Mode)	≤0.8% rated power					
No load loss(AC Mode)	≤2% rated power(charger does not work in AC mode)					
Other						
No load loss (Battery Discharge)	1% Rated Power (Typical value)					
Protection	Battery undervoltage protection/Battery overvoltage protection/Overload power protection/Inverter output short circuit protection/Temperature protection					
Working Mode	Battery First/AC First/Saving Energy Mode (can be set)					
Transfer Time	4ms(Typical values)					
Display	LCD					
Thermal method	Cooling fan in intelligent control					
Communication	RS485/APP(WIFI monitoring or GPRS monitoring)					
Operating temperature	-10°C~40°C					
Storage temperature	-15°C~60°C					
Noise	≤55dB					
Elevation	2000m(More than derating)					
Humidity	0%~95% ,No condensation					
Dimensions and Weight						
Product Size(L*W*Hmm)	547*335*150			684*450*242		
Packing Size(L*W*Hmm)	622*440*238			705*505*315		
N.W. (kg)	22.5	26.5	28.5	52.5	58	63
G.W. (kg)	24	28	30	59.5	65	70

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized according to the actual situation of users.

HDSX SERIES

THREE-PHASE LOW FREQUENCY INVERTER

3.2KW-160KW



Pure sine wave



MPPT



WiFi



Alarm & Protection



Configurable Battery



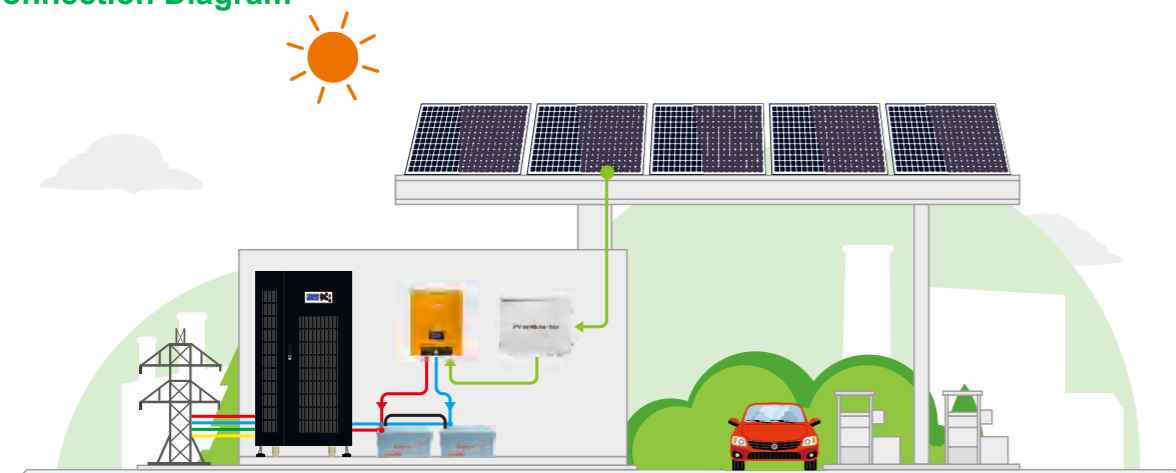
RS485



Features

- Low battery voltage input, adaptable to different battery type, 3 phase AC voltage input, 3 phase AC voltage output.
- Support three-phase unbalanced load, accept three times peak power.
- Ultra-wide input voltage, immunity range, protect the stable operation.
- Optional built-in MPPT solar controller, providing high-efficiency green power.
- LCD display clearly shows the status of the device, easy to operate.
- Adjustable mains charging current range 0-45A.
- Supports RS485 and cell phone APP (WIFI or GPRS) to realize remote monitoring.

Connection Diagram



Technical Parameters

Model	HDSX/HDSX-T								
Rated Power	3.2KW	6.4KW	8KW	10KW	12KW	16KW	20KW	24KW	
Phase Type	3/N/PE								
Built-in Controller MPPT (optional)									
Rated Current	100A		100A			100A			
PV Array Max Power	48V(5560W)		48V(5600W)			96V(11.2KW)			
Max PV Input Voltage(Voc) (At The Lowest Temperature)	48V system : 150VDC ; 96V system : 300VDC								
MPPT Tracking Voltage Range	48V system(60V-120V) ; 96V system(120V-240V)								
Battery									
Standard Battery Voltage	48V					96V			
Battery Type	Lead-acid battery/Gel battery/ Lithium battery								
Battery Voltage Input Range	42V-60V (48V system); 84V-120V (96V system) (default value)								
Dimensions and Weight									
Product Size(L*W*Hmm)	565*300*775				725*365*1010				
Packing Size(L*W*Hmm)	625*360*895				785*425*1135				
N.W.(kg)	65	78.5	120	124	149.5	174	176	184	
G.W.(kg)	78	90.5	140	144	157.5	194	200	204	

Model	HDSX/HDSX-T											
Rated Power	32KW	40KW	48KW	64KW	80KW	96KW	100KW	120KW	128KW	150KW	160KW	
Phase Type	3/N/PE											
Built-in Controller MPPT (optional)												
Rated Current	100A											
PV Array Max Power	192V(11.2KW*2)/384V(22.4KW*2)											
Max PV Input Voltage(Voc) (At The Lowest Temperature)	192V system:450VDC ; 384V system:800VDC											
MPPT Tracking Voltage Range	192V system(240V-360V) ; 384V system(480V-640V)											
Battery												
Standard Battery Voltage	192V					384V						
Battery Type	Lead-acid battery/Gel battery/ Lithium battery											
Battery Voltage Input Range	168V-240V (192V system); 336V-480V (384V system) (default value)											
AC Input												
Rated Input Voltage	380VAC/400VAC; Customizable 190VAC/200VAC/415VAC											
AC Input Voltage Range	323VAC-456VAC/323VAC-480VAC											
AC Input Frequency Range	43HZ-53HZ(50HZ)/53HZ-63HZ(60HZ)											
AC Output												
Output Wave	Pure sine wave											
Conversion Efficiency (INV Mode)	> 85%											
AC Output Voltage / Frequency Range (INV Mode)	380VAC±2% / 400VAC±2% 50/60Hz±1%(The output voltage can be customized to 190VAC/200VAC/415VAC)											

Other	
No load loss (Battery Discharge)	1% Rated Power (Typical value)
Protection	Battery undervoltage protection/Battery overvoltage protection/Overload power protection/Inverter output short circuit protection/Temperature protection
Protection Degree	IP20
Display	LCD
Cooling Method	Cooling fan in intelligent control
Communication	RS485,APP (WIFI monitoring or GPRS monitoring) (Optional)
Working Mode(Settable)	Battery priority/Mains priority
Operating Temperature	-15°C~40°C
Elevation	2000m(more than derating)
Relative Humidity	0%~95% , (No condensation)

Dimensions and Weight													
Product Size(L*W*Hmm)	720*575*1275				875*720*1380				1123*900*1605				
Packing Size(L*W*Hmm)	785*640*1400				980*825*1560				1185*960*1750				
N.W.(kg)	226	260	290	333	466	478	488	522	534	635	686		
G.W.(kg)	255	293	323	344	508	513	521	557	567	672	723		

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized according to the actual situation of users.



SOLAR PUMPING SERIES

SINGLE PHASE/THREE PHASE
0.75KW-110KW



Pure Sine Wave



MPPT



GPRS



Alarm&Protection



Water Level Control



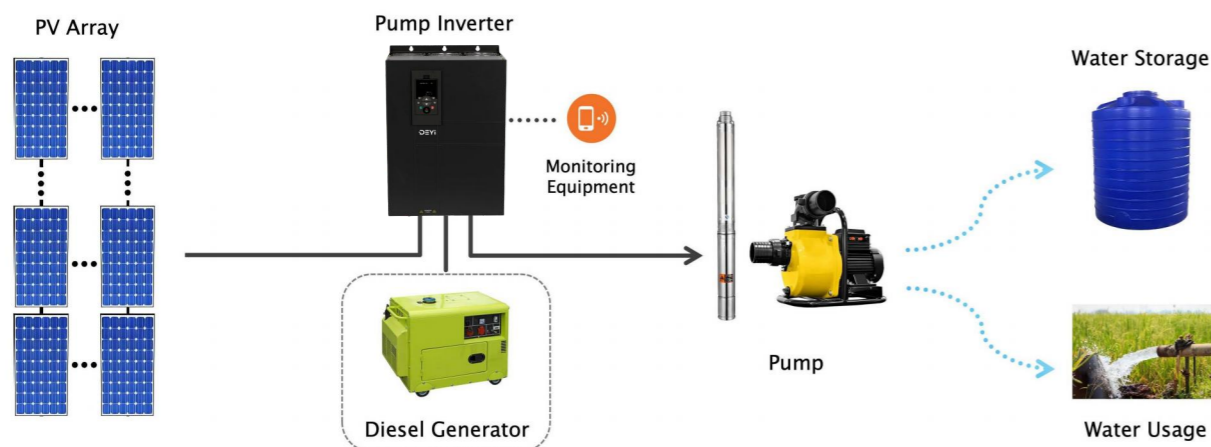
RS485



Features

- Addressing water lifting challenges on irrigation, livestock drinking, water treatment, etc;
- Compatible with various power supply;
- IP20 protection grade;
- Operating temperature range: -25°C to 60°C;
- Real-time monitoring&control, start&stop via GPRS;

Connection Diagram



Technical Parameters

Model	DYSPI-xxK1/3							
Rated Power	0.75KW	1.5KW	2.2KW	4KW	5.5KW	7.5KW	11KW	15KW
PV Input								
Max Input Voltage	450V			800V				
MPPT Range	200-400V			300-750V				
MPPT No	1			1				
AC Input								
Voltage	220V (1PH) / 380V (3PH)			380V (3PH)				
Frequency	50/60Hz			50/60Hz				
AC Output								
Voltage	220V (1Ph) / 380V (3PH)			380V (3PH)				
Frequency	50/60Hz			50/60Hz				
Current (A)	7.2/2.5	10.2/4.2	14/5.5	9.5	14	18.5	25	32
Model	DYSPI-xxK1/3							
Rated Power	22KW	30KW	37KW	45KW	55KW	75KW	90KW	110KW
PV Input								
Max Input Voltage	800V							
MPPT Range	300-750V							
MPPT No	1							
AC Input								
Voltage	380V (3PH)							
Frequency	50/60Hz							
AC Output								
Voltage	380V (3PH)							
Frequency	50/60Hz							
Current	45	60	75	92	115	150	180	215
Common Data								
Protection	IP21							
Temperature	-25°C~+60°C							
Cooling	Wind cooling							
Screen	LED							
Communication	RS485/GPRS							
Altitude	1000M (Derating for altitudes above 1000 meters)							

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized.

ALL-IN-ONE SERIES

SPLIT PHASE 110V/220V (L1-N-L2)

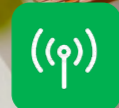
3KW-10KW



Pure Sine Wave



MPPT



GPRS



Dual Output Voltage



Configurable Battery



RS485



Features

- All-in-one design, integrating solar inverter, MPPT and battery, all in one cabinet with wheels, easy to install and move;
- Compact and elegant art design and convenient output connection port;
- Convenient AC 110V and DC 5V/12V output sockets;
- Flexible battery capacity option, N*5KWH;
- Thorough protection: over-load, over-voltage, over-temperature, etc.

Connection Diagram



Technical Parameters

Model	DYHES-xxL/H						
Rated Power	305	505	510	1010	1020	1030	
Rated Power	3KW	5KW	5KW	10KW	10KW	10KW	
BATTERY							
Battery Voltage	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V	
Battery Type	LFP	LFP	LFP	LFP	LFP	LFP	
Battery Capacity	100AH	100AH	200AH	200AH	400AH	600AH	
Maximum Charging Current (Mains+PV)	100A	100A	100A	200A	400A	400A	
MPPT							
Maximum PV Input Voltage (Voc)	180V			300V			
MPPT Tracking Voltage Range	60-140V			60-240V			
Maximum PV Input Power	5600W			11.2KW			
Charging Current	100A			200A			
MPPT No.	1/1			1/2			
AC INPUT							
Single-phase Input Voltage	N-L:1.80VAC-133VAC(105VAC)/85VAC-138VAC(110VAC)/90VAC-143VAC(115VAC)/95VAC-148VAC(120VAC)						
Split Phase Input Voltage	L1-N-L2: 105VAC;(L1-L2:160VAC-266VAC,L1-N/L2-N:80VAC-133VAC); 110VAC;(L1-L2:170VAC-276VAC,L1-N/L2-N:85VAC-138VAC); 115VAC;(L1-L2:180VAC-286VAC,L1-N/L2-N:90VAC-143VAC); 120VAC;(L1-L2:190VAC-296VAC,L1-N/L2-N:95VAC-148VAC)						
Frequency Range	45Hz~55Hz(50Hz)/55Hz~65Hz(60Hz)						
AC Charging Method	Three-stage(constant current,constant voltage,float charge)						
AC OUTPUT							
Output Voltage	L1-N/L2-N:110VAC or 120VAC; L1-L2: 220VAC or 240AC						
Output Frequency	50/60Hz±1% (can be set)						
Efficiency (Battery Model/Grid Model)	≥85% / ≥99%						
COMMON DATA							
Protection	Battery undervoltage protection/Battery overvoltage protection/overvoltage recovery/Overload protection/Short circuit protection/Overtemperature protection						
Water-resistance Degree	IP20						
Display	LCD						
Cooling Method	Cooling fan with intelligent control						
Communication	RS485/APP(WIFI)/GPRS data collector) optional						
Working Model	Inverter priority/Mains priority/Energy-saving mode						
Operating Temperature	-10℃~40℃						
Elevation	2000M (Derating for altitudes above 2000 meters)						
Relative Humidity	0%-95% (No condensation)						
Dimensions&Weight							
Product Size (WxDxH)	525*245*938MM		570*325*1257MM		600*1000*1178MM		600*1000*1400MM
Package Size (WxDxH)	585*305*1100MM		630*385*1385MM		660*1060*1310MM		660*1060*1530MM
Net Weight (excluding battery)	37 KGS	40 KGS	52.5 KGS	66.5 KGS	89 KGS	99 KGS	
Gross Weight (excluding battery)	45 KGS	48 KGS	62.5 KGS	76.5 KGS	105 KGS	119 KGS	

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized.

WALL-MOUNT LiFePO4 BATTERY

100Ah/200Ah/300Ah



Wall mounted design



LCD Screen



RS232



Connection mode for parallel communication



Alarm&Protection



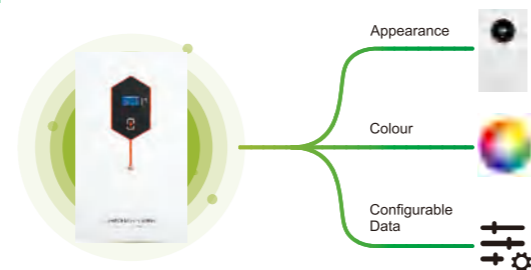
RS485



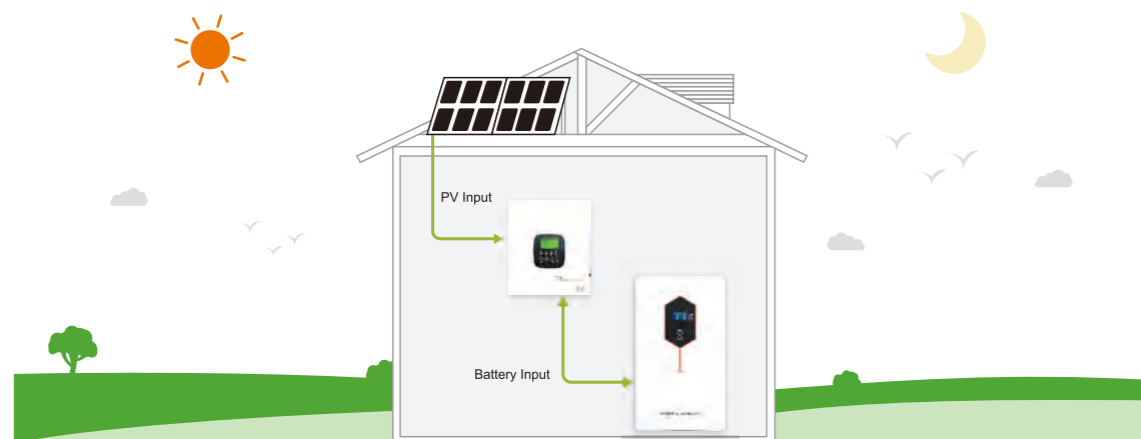
Features

- The BMS is designed for 8~16 series lithium battery;
- Equipped with lithium battery BMS communication function;
- Capable of multiple protection functions;
- Support parallel communication connection;
- It has standard communication interfaces for RS232, RS485, CAN, and dial-up address selection.

OEM/ODM



Connection Diagram



Technical Parameters

Model:	IBattery-PL-51.2V-100AH	IBattery-PL-51.2V-200AH	IBattery-EA-51.2V300AH	
Battery Pack Specification				
Combination method	3.2V 100Ah Cell-16S1P	3.2V 200Ah Cell-16S1P	3.2V280Ah Cell-16S1P	
Rated Capacity	Typical	100Ah	200Ah	
	Minimum	100Ah	200Ah	
Factory Voltage	52V-54V	52V-53V	52V-54V	
Voltage at end of Discharge	40V			
Charging Voltage	58.4V			
Internal Impedance	≤13mΩ			
	Constant Current	50A	100A	100A
Standard charge	Constant Voltage	58.4V		
	Cut-Off	0.02C A		
	Charge Time	Approx 1h		
Limiting current	10A			
Standard discharge	Constant current	50A	100A	100A
	End voltage	40V		
Maximum Continuous Charge Current	100A	200A	200A	
Maximum Continuous Discharge Current	100A	200A	200A	
Operation Temperature Range	Charge	0~45°C		
	Discharge	-20~55°C		
Storage Temperature Range	Less than 8 months	-10~35°C		
	less than 3 months	-10~45°C		
	Less than 7 day	-20~65°C		
Weight	44±3Kg	82±3Kg	115±5Kg	
Cycle life	≥6000 times			
BMS Protect Parameter				
Cell overcharge protection	Overcharge detection voltage	3.65±0.025V		
	Overcharge detection delay time	Typical:1.0s		
	Overcharge release voltage	3.45±0.02V		
Cell over-discharge protection	Over-discharge detection voltage	2.6±0.02V		
	Over-discharge detection delay time	Typical:2.0s		
	Over-discharge release conditions	2.95±0.02V		
Over-current protection	Discharge Over-current protection current	110±10A	215±10A	205±10A
	Discharge Over-current detection delay time	1S		
	Discharge Over-current release conditions	Restore immediately after charging, or automatically recover after 60 seconds		
Short protection	Transient discharge Over-current protection current	125±10A	205±10A	205±10A
	Transient discharge Over-current protection current delay time	100mS		
	Charge OC protection current	110±10A	215±10A	215±10A
Temperature(T) protection	Charge Over-current detection delay time	2S		
	Charge Over-current release conditions	Discharge recovery immediately, or automatic recovery after 300S		
	Charging entry current	800mA		
Effective charging current	Charge exit current	500mA		
	Discharging entry current	800mA		
	Discharge exit current	400mA		
Balance	Short protection current	500±100A	600±100A	600±100A
	Protection condition	Load short		
	Detection delay time	≤350μs		
Battery capacity setting	Protection release condition	Charging release or Restart recovery		
	Charge high T protection	65±5°C		
	Charge high T recover	55±5°C		
Reset button	Discharge high T protection	65±5°C		
	Discharge high T recover	60±5°C		
	Charge low T protection	-10±5°C		
	Charge low T recover	-1±5°C		
	Discharge low T protection	-20±5°C		
	Discharge low T recover	-10±5°C		
Power dissipation	Balance threshold voltage	3.40V		
	Core failure differential pressure	800mv		
	The cell recovers differential pressure	500mv		
BMS power management	Battery rated capacity	100AH	200AH	300AH
	Cyclic accumulative capacity	80% Number of cycles (adjustable)		
	Remaining capacity alarm	15%		
Prefilled function	Residual capacity protection	5%		
	Power on/Activate	BMS is in hibernation state, press 1S reset button, BMS will be activated, and the LED indicator will turn on in turn, and then turn into normal working state;		
	Shutdown/Hibernate	When the BMS is in standby or working state (except charging), press the 3S reset button, and the BMS will sleep. After the LED indicator lights up one by one, the BMS will go to sleep state.		
Communication	Normal operating power consumption	≤15mA , ≤20mA(with LCD on)		
	The power consumption of the dormant	≤40uA		
Internal resistance	Maximum standby time	24h (Charger is not available and there is no effective discharge current)		
	2000ms Prevent short circuit at the moment of opening			
Alarm	It has CAN and RS485 and RS23 standard communication interface, it can real-time monitoring the capacity of battery bank, the voltage, current, environment temperature, and charging/discharging current.			
	Simplified monitoring software, can view the cell, temperature, current and other data			
Dimension	It has over-temperature, over charge, under-voltage, over-current, short circuit alarm Function.			
	Product Size(L*W*Hmm)	620*380*160	840*478*160	440*270*851

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized according to the actual situation of users.

RACK-MOUNT LiFePO4 BATTERY

100Ah/200Ah/300Ah



Long cycle life



LCD Screen



RS232



Support and connect for use



Alarm & Protection



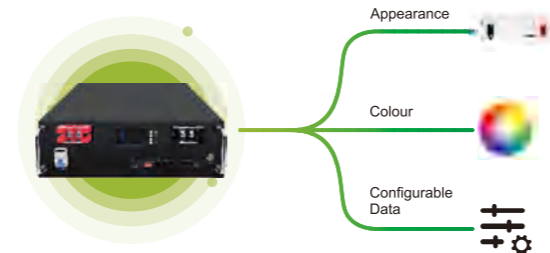
RS485



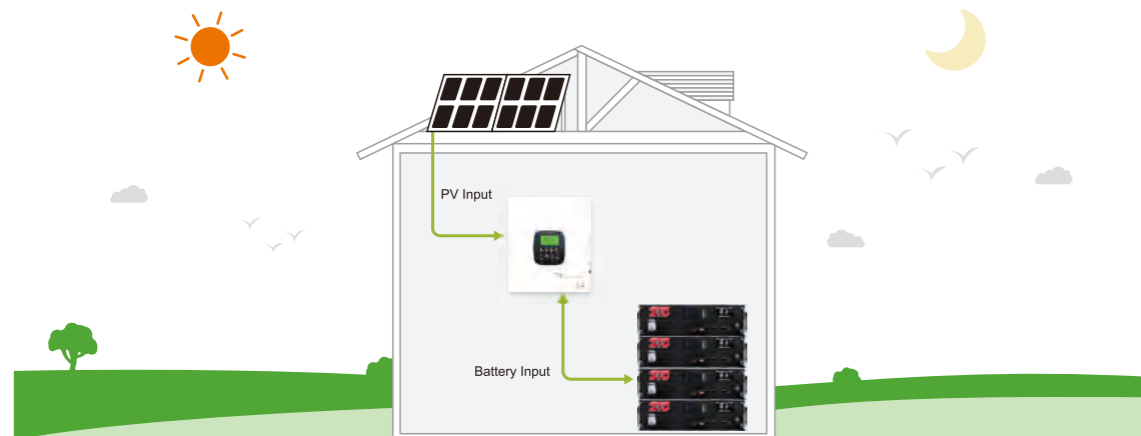
Features

- The BMS is designed for 8~16 series lithium battery;
- Equipped with lithium battery BMS communication function;
- Capable of multiple protection functions;
- It has standard communication interfaces for RS232, RS485, CAN, and dial-up address selection,

OEM/ODM



Connection Diagram



Technical Parameters

Model:	IBattery-EA-51.2V-100AH-JJ	IBattery-EA-51.2V-200AH-JJ	IBattery-EA-51.2V-300AH-JJ	
Battery Pack Specification				
Combination method	3.2V 100Ah Cell-16S1P	3.2V 206Ah Cell-16S1P	3.2V 280Ah Cell-16S1P	
Rated Capacity	Typical	100Ah	200Ah	300Ah
	Minimum	100Ah	200Ah	300Ah
Factory Voltage	51.2V-53V	51.2V-53V	51.2V-53V	
Voltage at end of Discharge	40V			
Charging Voltage	58.4V			
Internal Impedance	≤13mΩ			
Standard charge	Constant Current	50A	50A	50A
	Constant Voltage	58.4V		
	Cut-Off	0.02C A		
	Charge Time	Approx 2h		
Limiting current	10A			
Standard discharge	Constant current	50A	50A	50A
	End voltage	40V		
Maximum Continuous Charge Current	100A	200A	200A	
Maximum Continuous Discharge Current	100A	200A	200A	
Operation Temperature Range	Charge	0~55°C		
	Discharge	-20~55°C		
Storage Temperature Range	Less than 8 months	-10~30°C		
	less than 3 months	30~45°C		
	Less than 7 day	45~60°C		
Weight	40±3Kg	79.5±3Kg	113±3Kg	
Cycle life	≥6000 times			
BMS Protect Parameter				
Cell overcharge protection	Overcharge detection voltage	3.65±0.025V		
	Overcharge detection delay time	Typical:1.0s		
	Overcharge release voltage	3.45±0.02V		
Overcharge release conditions	1.The monomer voltage drops to the overcharge recovery point; 2.The remaining capacity is 96% lower than the intermittent power supply capacity			
	Two conditions must be met in order to resume Battery discharge current ≥1A detected			
Cell over-discharge protection	Over-discharge detection voltage	2.6±0.02V		
	Over-discharge detection delay time	Typical:2.0s		
	Over-discharge release conditions	2.95±0.02V Battery charge current ≥1A detected		
Over-current protection	Discharge Over-current protection current	110±10A	210±10A	210±10A
	Discharge Over-current detection delay time	1S		
	Discharge Over-current release conditions	Restore immediately after charging, or automatically recover after 60 seconds		
	Transient discharge Over-current protection current	125±10A	210±10A	210±10A
	Transient discharge Over-current protection current delay time	100mS		
	Charge OC protection current	110±10A	210±10A	210±10A
Effective charging current	Charging entry current	800mA		
	Charge exit current	500mA		
	Discharging entry current	800mA		
Effective dischar current	Discharge exit current	400mA		
	Short protection current	500±100A	500±100A	500±100A
	Short protection	Protection condition	Load short	
Detection delay time		≤350μs		
Protection release condition		Charging release or Restart recovery		
Temperature(T) protection	Charge high T protection	65±5°C		
	Charge high T recover	55±5°C		
	Discharge high T protection	65±5°C		
	Discharge high T recover	60±5°C		
	Charge low T protection	-10±5°C		
	Charge low T recover	-1±5°C		
	Discharge low T protection	-20±5°C		
	Discharge low T recover	-10±5°C		
Balance	Balance threshold voltage	3.40V		
Alarm of cell failure	Core failure differential pressure	800mv		
	The cell recovers differential pressure	500mv		
Battery capacity setting	Battery rated capacity	100AH	200AH	300AH
	Cyclic accumulative capacity	80% Number of cycles (adjustable)		
	Remaining capacity alarm	15%		
Reset button	Residual capacity protection	5%		
	Power on/Activate	BMS is in hibernation state, press 1S reset button, BMS will be activated, and the LED indicator will turn on in turn, and then turn into normal working state;		
Power dissipation	Shutdown/Hibernate	When the BMS is in standby or working state (except charging), press the 3S reset button, and the BMS will sleep. After the LED indicator lights up one by one, the BMS will go to sleep state.		
	Normal operating power consumption	≤15mA, ≤20mA(with LCD on)		
BMS power management	The power consumption of the dormant	≤40uA		
	Maximum standby time	24h (Charger is not available and there is no effective discharge current)		
Prefilled function	2000ms Prevent short circuit at the moment of opening			
Communication	It has CAN and RS485 and RS23 standard communication interface, it can real-time monitoring the capacity of battery bank, the voltage, current, environment temperature, and charging/discharging current.			
Internal resistance	< 5mΩ			
LCD screen	Simplified monitoring software, can view the cell, temperature, current and other data			
Alarm	It has over-temperature, over charge, under-voltage, over-current, short circuit alarm Function.			
Dimension				
Product Size(L*W*Hmm)	483*420*140	483*600*266	483*720*240	

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized according to the actual situation of users.

LiFePO4 BATTERY

100Ah/150Ah/200Ah/300Ah



Durable cycle life



Alarm&Protection

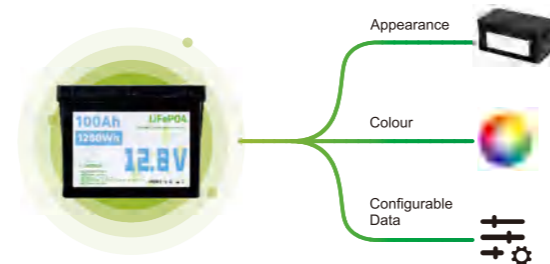


Durable and large capacity

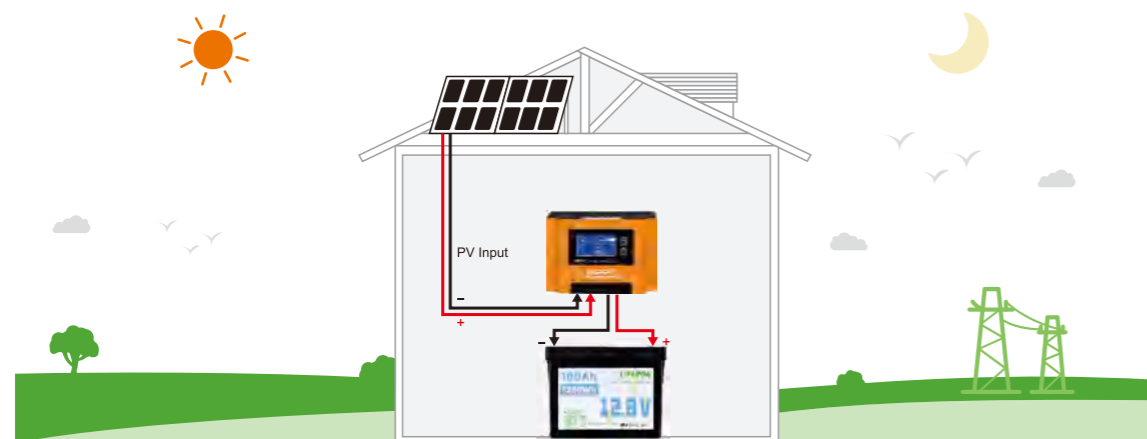
Features

- High battery capacity;
- High charging and discharging efficiency;
- Longer service life;
- More comprehensive protection performance.

OEM/ODM



Connection Diagram



Technical Parameters

Model:	DGPX-12.8V-100AH	DGPX-12.8V-150AH	DGPX-12.8V-200AH	DGPX-12.8V-300AH	DGPX-25.6V-100AH	DGPX-25.6V-200AH
Typical Capacity	100Ah	150Ah	200Ah	300Ah	100Ah	200Ah
Minimum Capacity	100Ah	150Ah	200Ah	300Ah	100Ah	200Ah
Combination method	4S1P	4S1P	4S2P	4S1P	8S1P	8S1P
Nominal Voltage	12.8V	12.8V	12.8V	12.8V	25.6V	25.6V
Internal Impedance	≤200mΩ	≤200mΩ	≤200mΩ	≤200mΩ	≤200mΩ	≤200mΩ
Charge voltage	14.6V	14.6V	14.6V	14.6V	29.2V	29.2V
Standard charge current	50A	75A	100A	100A	50A	100A
Max. charge current	100A	150A	200A	200A	100A	200A
Standard dis-charge current	50A	75A	100A	100A	50A	100A
Max. discharge current	100A	150A	200A	200A	100A	200A
Shipping voltage requirements	≥12.0V				≥24.0V	
Operating Temperature	Charging	0°C~+50°C				
	Discharging	-20°C~+65°C				
Storage Temperature	Less than 1 month	-20°C ~ +45°C				
	Less than 6 months	-20°C ~ +35°C				
Dimension						
Product Size(L*W*Hmm)	330*173*221	502*186*243	522*238*222	522*268*222	522*238*222	522*268*222

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized according to the actual situation of users.