

ES SERIES

ON&OFF GRID HYBRID SOLAR INVERTER



Cut peaks and fill valleys



Two-road of input



Full protection



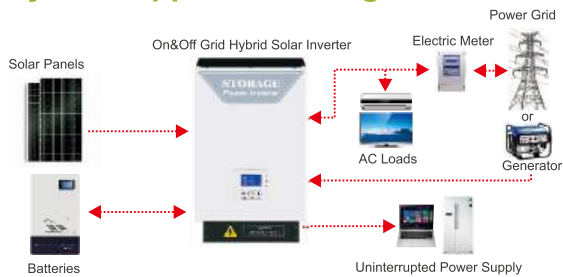
Two-way energy storage design



Features

- Low frequency integrated intelligent energy management system, a variety of modes can be set.
- Cut peaks and fill valleys to reduce grid pressure and maximize profits.
- Dual MPPT input, precise algorithm, efficient use of PV energy.
- 3-stage/2-stage charging technology to protect battery life.
- Two-way energy storage design, PV, mains can charge the battery.
- Support RS485 communication port/APP(Optional).

System Application Diagram



Product Display



Household



Industrial and commercial energy storage



Airport/high-speed rail station



Thermal power station/nuclear power station



Agricultural Irrigation



Farm use



Technical Parameters

Model: ES	30248	50248	80296	10396	153192	203192	253240
PV Input							
Max PV Input Voltage(Voc) (at the lowest temperature)	150VDC		300VDC		450VDC		500VDC
MPPT Tracking Voltage Range	60V~120VDC		120V~240VDC		240V~360VDC		300V~400VDC
Maximum PV Input Power/ Tracking Channels	1960W*2 / 2	3360W*2 / 2	5000W*2 / 2	6150W*2 / 2	8.8KW*2 / 2	11.2KW*2 / 2	14KW*2 / 2
Battery							
Battery Type	Lead-acid battery / Lithium battery / Custom battery						
Standard Battery Voltage	48VDC		96VDC		192VDC	192VDC	240VDC
Maximum Charging Current (can be set, recommended 0.1C)	70A (PV) 35A (AC)	120A (PV) 60A (AC)	100A (PV) 40A (AC)	110A (PV) 60A (AC)	80A (PV) 40A (AC)	110A (PV) 60A (AC)	110A (PV) 60A (AC)
AC Input							
Rated Voltage	220VAC/230VAC						
Input Voltage Range	187VAC~264VAC						
Rated Input Frequency	43HZ~53HZ (50HZ) /53HZ~63HZ (60HZ)						
Anti-Islanding Protection	≤2S						
Reconnection Time	30S						
AC Output (ON GRID)							
Rated Output Power	3KW	5KW	8KW	10KW	15KW	20KW	25KW
Rated Output Current	13.6A	22.7A	36.4A	45.5A	68.2A	90.1A	113.6A
AC Output Voltage/Frequency	187VAC~264VAC 47~52HZ/57~62HZ						
Power Factor	1						
AC Output (OFF GRID)							
Rated Power	3KW	5KW	8KW	10KW	15KW	20KW	25KW
AC Output Voltage/Frequency	220VAC/230VAC 50HZ/60HZ						
Other							
Protection	Battery undervoltage protection/Battery overvoltage protection/Battery overvoltage recovery voltage/ Overload power protection/Short circuit protection/Overtemperature protection						
Display	LCD+LED						
Communication (optional)	RS485 communication, mobile APP (WIFI monitoring or GPRS monitoring)						
Operating Temperature	-15℃~40℃(derating above 45℃)						
Relative Humidity	0%~95%,no condensation						
Altitude	2000m(more than derating)						
Protection Degree	IP20						
Cooling Method	Cooling fan in intelligent control						
Dimensions and Weight							
Product size (L*W*Hmm)	592*380*265		550*380*675		620*380*825		
Package size(L*W*Hmm)	650*435*290		610*440*800		680*440*950		
N.W.(kg)	36	45	70	75	128	134	140
G.W.(kg)	40	49	80	85	140	146	152

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.

HF SERIES

ON&OFF GRID HYBRID SOLAR INVERTER



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 can realize bidirectional flow control of electric energy, and both photovoltaic and mains power can charge the battery;
- Ultra-wide MPPT range, as low as 80Vdc;
- The working mode can be set (on-grid mode, off-grid mode, hybrid mode);
- Equipped with output priority setting function;
- With charging priority setting function;
- Equipped with lithium battery BMS communication function;
- Support battery-less operation mode;
- Supports the use of smart meters to prevent backflow when running on the grid.

System Application Diagram



Product Display



Household



Industrial and commercial energy storage



Airport/high-speed rail station



Thermal power station/nuclear power station



Agricultural Irrigation



Farm use



Technical Parameters

Model: HF	50248	60248	80248	10348	12348
PV Input					
Maximum Photovoltaic Input Power	6000W	6000W	4500W*2	6000W*2	6000W*2
MPPT Tracking Voltage Range	80Vdc~450Vdc				
Rated Input Voltage	360Vdc				
Max PV Input Voltage(Voc) (at the lowest temperature)	500Vdc				
Maximum Photovoltaic Input Current	27A		18A*2	27A*2	
MPPT Tracking Number Of Channels (input number of channels)	1			2	
Charging Batteries					
Battery Type	Valve hole lead-acid battery/lithium battery				
	Customized battery (charge and discharge parameters of different types of batteries can be set through the operation panel)				
Rated Battery Voltage	48Vdc				
Battery Voltage Range	42~60Vdc (default value)				
Maximum Photovoltaic Charging Current	120A		150A	180A	200A
Maximum Mains Charging Current	80A		100A	120A	140A
Maximum charging current	120A		150A	180A	200A
On-Grid Operation (AC Output)					
Rated Output Power	5000W	6000W	8000W	10KW	12KW
Rated Output Voltage	220Vac / 230Vac / 240Vac				
Output Voltage Range	187Vac ~ 264Vac				
Rated Output Frequency	50Hz / 60Hz				
Output Frequency	47Hz~52Hz(50Hz), 57Hz~62Hz(60Hz)				
Rated Output Current	22.7A/21.7A/20.8A	27.3A/26.1A/25A	36.4A/34.8A/33.3A	45.5A/43.5A/41.7A	54.5A/52.2A/50A
Power Factor	> 0.98 (rated power)				
Off-Grid Operation (AC Input)					
Rated Input Voltage	220V / 230V / 240V				
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)				
Off-Grid Operation (AC Output)					
Rated Output Power	5000W	6000W	8000W	10KW	12KW
Rated Output Voltage	220V / 230V / 240V				
Output Voltage Accuracy	±2%				
Rated Output Frequency	50Hz / 60Hz				
Output Frequency Accuracy	±1%				
Output Waveform	sine wave				
Hybrid Operation (AC Input)					
Rated Input Voltage	220V / 230V / 240V				
Mains Input Voltage Range	187Vac~264Vac				
Rated Input Frequency	50Hz / 60Hz				
Input Frequency Range	47Hz~52Hz(50Hz), 57Hz~62Hz(60Hz)				
Hybrid Operation (AC Output)					
Rated Output Power	5000W	6000W	8000W	10KW	12KW
Rated Voltage	220Vac / 230Vac / 240Vac				
Rated Output Current	22.7A/21.7A/20.8A	27.3A/26.1A/25A	36.4A/34.8A/33.3A	45.5A/43.5A/41.7A	54.5A/52.2A/50A
Regular Parameters					
Maximum Conversion Efficiency (Battery Discharge)	94% (peak)				
Mppt Tracking Efficiency	≥99.9				
Conversion Time	10mS (Typical value)				
Panel Display	LCD+LED				
Heat Dissipation Method	Smart fan control				
Communication Function	RS485/dry contact/mobile phone APP (WIFI monitoring or GPRS monitoring) (optional)				
Protection Level	IP20				
Installation Method	Wall-mounted				
Protect					
Battery Low Voltage Alarm	44Vdc (default)				
Battery Undervoltage Protection	42Vdc (default)				
Anti-Islanding Protection	≤2S				
Overload Power Protection	Automatic protection (battery mode), circuit breaker or fuse (mains mode)				
Output Short Circuit Protection	Automatic protection (battery mode), circuit breaker or fuse (mains mode)				
Over Temperature Protection	>90°C (turn off inverter and charging)				
Environment					
Operating Temperature	-10C~50°C				
Storage Temperature	-15C~60°C				
Noise	≤55dB				
Altitude	2000m (If it exceeds the limit, derating is required)				
Relative Humidity	0%~95%, no condensation				
Dimensions And Weight					
Product Size(L*W*Hmm)	430*325*112.5mm		515*365*117mm	630*540*130mm	
Package Size(L*W*Hmm)	510*380*178mm		600*430*192mm	715*605*205mm	
N.W.(kg)	10.5	10.5	13	23	23.5
G.W.(kg)	12	12	15	25	25.5

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LF SERIES

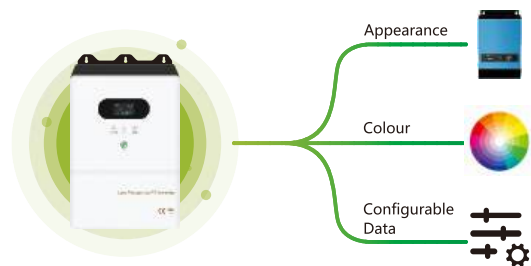
LOW FREQUENCY INVERTER / HYBRID INVERTER



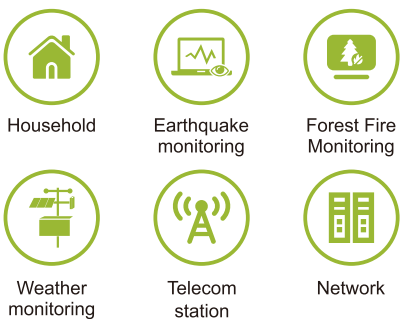
Features

- 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



Application



Technical Parameters

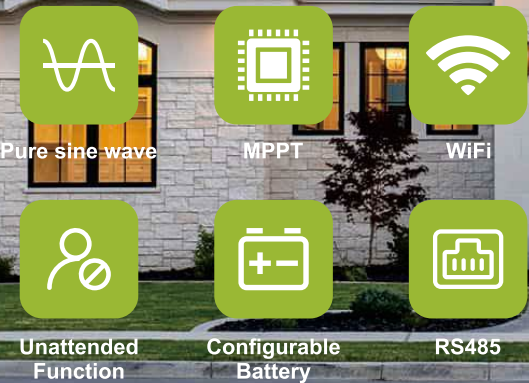
Model :LF	15212/24/48	20212/24/48	30224/48	40224/48	50248	60248	80248	10348	12348
Power									
Rated Power	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10KW	12KW
Phase Type	Single phase L-N ; Split phase can be customized L1-L2,L1-N,L2-N								
Battery									
Standard Battery Voltage	12/24/48VDC		24/48VDC		48VDC				
Battery Type	Lead-acid / Gel Battery / Lithium Battery / Custom battery								
AC Input									
Rated Input Voltage	110VAC/120VAC/220VAC /230VAC/ 240VAC								
AC Input Voltage Range	85VAC~138VAC (110VAC) / 95VAC~148VAC (120VAC) / 170VAC~275VAC (220VAC) / 180VAC~285VAC (230VAC) / 190VAC~295VAC (240VAC)								
AC Input Frequency Range	45Hz~55Hz (50Hz) , 55Hz~65Hz (60Hz)								
AC Output									
Output Wave / Conversion Efficiency	Pure Sine Wave/>85%								
AC Output Voltage / Frequency Range(INV mode)	110VAC±2% / 120VAC±2% / 220VAC±2% / 230VAC±2% / 240VAC±2%, 50/60Hz±1%								
Built-in MPPT Solar Charge Controller (optional)									
Rated Current	30A/60A			100A			100A		
PV Array Max Power	30A:12V(420W)/24V(840W)/48V(1680W) 60A: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)								
Other									
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 Interfaces	RS485,APP(WIFI monitoring or GPRS monitoring)Optional								
Working Mode (settable)	Battery priority / Mains priority								
Operating Temperature	-15℃~40℃								
Relative Humidity	0%~95% , No Condensation								
Dimensions and Weight									
Product Size(L*W*Hmm)	470*300*148			530*335*158			684*430*250		
Packing Size(L*W*Hmm)	545*385*223			605*420*233			705*485*315		
N.W.(kg)	13.5	18	20	22	24	26	45	55	58
G.W.(kg)	15	19.5	21.5	24	26	28	52	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.



WF SERIES

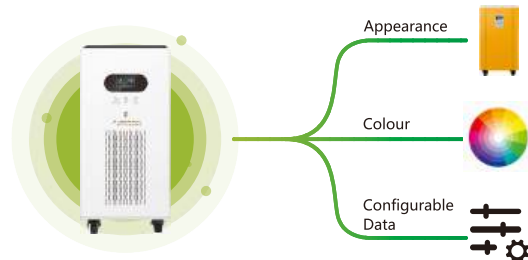
LOW FREQUENCY INVERTER / HYBRID INVERTER



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



Application



WF Low Frequency Inverter/ Hybrid Inverter 700W-40KW



Technical Parameters

Model:WF	70112/24	10212/24	15224/48	20224/48	30224/48	35248/96	40248/96	50248/96	60248/96	70248/96/192
Power										
Rated Power	700W	1000W	1500W	2000W	3000W	3500W	4000W	5000W	6000W	7000W
Phase Type	Single phase L-N									
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									
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)									
Dimensions and Weight										
Product Size(L*W*Hmm)	340*165*283			410*200*350			491*260*490			
Packing Size(L*W*Hmm)	405x230x340(1PC) / 475x415x350(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	80248/96/192	10348/96/192	12348/96/192	153192	203192	253240	303240	403384		
Power										
Rated Power	8KW	10KW	12KW	15KW	20KW	25KW	30KW	40KW		
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									
Built-in Controller MPPT(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)									
AC Input										
Rated Input Voltage	110VAC/120VAC/220VAC /230VAC/ 240VAC									
AC Input Voltage Range	73VAC~138VAC (110VAC) / 83VAC~148VAC (120VAC) / 145VAC~275VAC (220VAC) / 155VAC~285VAC (230VAC) / 165VAC~295VAC (240VAC) (700W~7000W) 92VAC~128VAC (110VAC) / 102VAC~138VAC (120VAC) / 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)	110VAC±2% / 120VAC±2% / 220VAC±2% / 230VAC±2% / 240VAC±2% , 50/60Hz±1%									
Other										
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)									
Working Mode(settable)	Battery Priority/Mains Priority									
Operating Temperature	-15℃~40℃									
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 / HYBRID INVERTER



Pure sine wave



MPPT



WiFi



Alarm&Protection



Configurable Battery



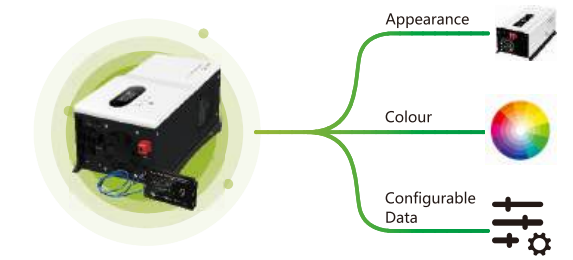
RS485



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



Application



Residential



Emergency Vehicle



Marine



RV Trailer



Ambulance



Truck



Technical Parameters

Model: DF	10212/24/48	15212/24/48	20212/24/48	30224/48	40224/48	50248	60248	70248	80248	10348	12348
Power											
Rated Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W	7000W	8000W	10KW	12KW
Phase Type	Single- Phase										
Battery											
Standard Battery Voltage	12/24/48VDC			24/48VDC		48VDC			48VDC		
Battery Type	Lead-acid / Gel / Lithium Battery / Custom battery										
AC Input											
Rated Input Voltage	110VAC/120VAC/220VAC /230VAC/ 240VAC										
AC Input Voltage Range	85VAC~138VAC (110VAC) / 95VAC~148VAC (120VAC) / 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)	110VAC±2% / 120VAC±2% / 220VAC±2% / 230VAC±2% / 240VAC±2% , 50/60Hz±1%										
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)										
Other											
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℃~40℃										
Relative Humidity	0%~95% ,No condensation										
Dimensions and Weight											
Product Size(L*W*Hmm)	555*297*184				615*315*209				720*363*256		
Packing Size(L*W*Hmm)	620*345*255				680*365*280				785*380*325		
N.W.(kg)	14	15	17.5	19.5	24	26	29	31	45	55	58
G.W.(kg)	15	16	18.5	20.5	25.5	27.5	30.5	32.5	52	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.

HDSX SERIES

THREE-PHASE LOW FREQUENCY INVERTER



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.

Application



Residential



Industrial &
Commercial
Energy Storage



Airport /
Train station



Thermal Power
Plant /Nuclear
Power Plant



Agricultural
Irrigation



Network



HDSX Three-Phase Low Frequency Inverter 3.2KW-160KW



Technical Parameters

Model	HDSX/HDSX-T										
Rated Power	3.2KW	4.8KW	5.6KW	6.4KW	8KW	10KW	12KW	16KW	20KW	24KW	
Phase Type	3/N/PE										
Battery											
Standard Battery Voltage	48V/96V				48V/96V/192V				96V/192V		
Battery Type	Lead-acid battery/Gel battery/ Lithium battery										
Built-in Controller MPPT(optional)											
Rated Current	100A				100A				100A		
PV Array Max Power	48V(5560W)/96V(11.2KW)				48V(5600W)/96V(11.2KW)/192V(11.2KW*2)				96V(11.2KW)/192V(11.2KW*2)		
Max PV Input Voltage(Voc) (At The Lowest Temperature)	48V system : 150VDC ; 96V system : 300VDC ; 192V system : 450VDC ; 384V system : 800VDC										
MPPT Tracking Voltage Range	48V system (60V-120V) ; 96V system (120V-240V) ; 192V system (240V-360V) ; 384V system (480V-640V)										
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	73	75	78.5	112	122	149.5	160	176	189	
G.W.(kg)	78	86	88	90.5	136	146	157.5	184	200	213	
Model	HDSX/HDSX-T										
Rated Power	32KW	40KW	48KW	64KW	80KW	96KW	100KW	120KW	128KW	150KW	160KW
Phase Type	3/N/PE										
Battery											
Standard Battery Voltage	192V		384V								
Battery Type	Lead-acid battery/Gel battery/ Lithium battery										
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)	48V system : 150VDC ; 96V system : 300VDC ; 192V system : 450VDC ; 384V system : 800VDC										
MPPT Tracking Voltage Range	48V system (60V-120V) ; 96V system (120V-240V) ; 192V system (240V-360V) ; 384V system (480V-640V)										
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											
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℃~40℃										
Relative Humidity	0%~95% , (No condensation)										
Altitude	2000m(more than derating)										
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)	240	260	290	308	512	542	552	612	642	705	755
G.W.(kg)	273	293	323	341	552	582	592	652	692	755	805

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.