

HDSX SERIES

THREE-PHASE LOW FREQUENCY INVERTER

3.2KW-160KW



Pure sine wave



MPPT



WiFi



Alarm&Protection



Configurable
Battery



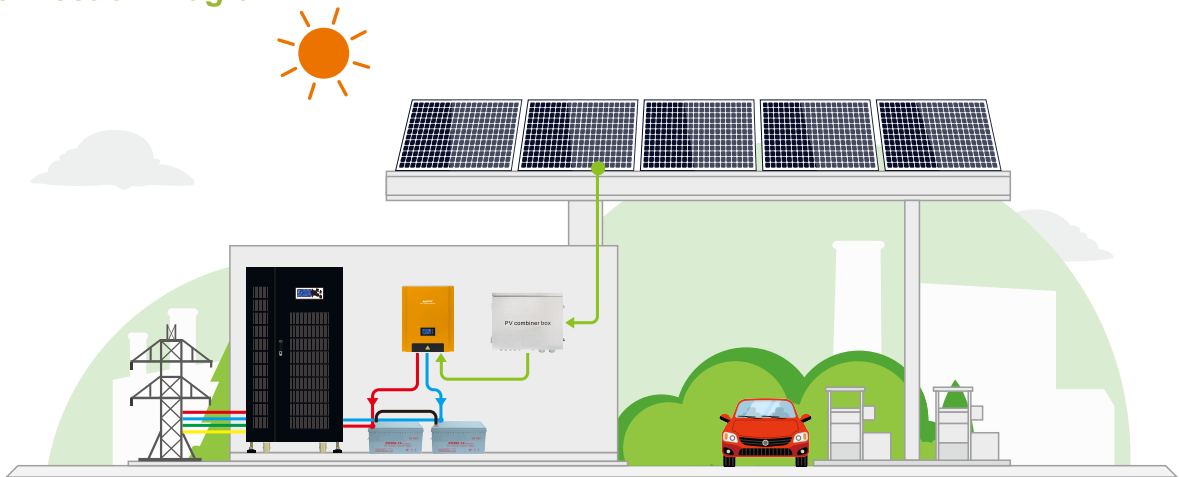
RS485



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



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

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		112		122		149.5		160		176		189							
G.W.(kg)	78		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																					
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℃~40℃																					
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)	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.