

FSA Single Phase hybrid inverter

HES Single Phase hybrid Inverter ,integrated with MPPT charge controller, and industrial frequency Pure sine wave . Install in small space, less connecting wire, more safe and reliable etc.

MPPT Solar charge controller adopts MPPT(Maximum Power Point Tracking)algorithm and obtain full solar power. It can charge different kinds of batteries with wide PV input . Three-stage charging increase battery lifespan effectively.

Widely use in the place where no public grid ,or not enough grid power available .

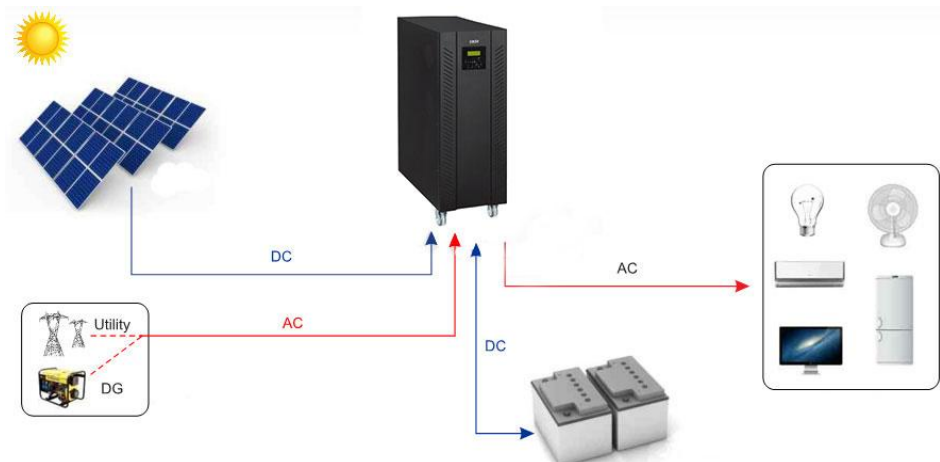
Features

- Pure Sine wave inverter built in MPPT Three-stage charging technology
- Auto start generator slot after battery discharge
- Enhanced AC charger to 100A
- Selectable input voltage for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Selectable high power charging current
- Overload and short circuit protection
- Remote monitoring via GPRS(Selectable)



Applications

Office / Power station



Specification

Rated capacity		FSA-8KVA	FSA-10KVA	FSA-15KVA	FSA-15KVA	FSA-30KVA
Battery						
Rated Voltage(VDC)		96	110	192	220	240
Shut down voltage(VDC)(Settable)		86.4	97.2	172.8	194.4	216.0
Low voltage recovery value(VDC)		104.0	117.0	208.0	234.0	260.0
Over voltage protective value(VDC)		128.0	144.5	256.0	288.0	320.0
Over voltage recovery value(VDC)		124.0	139.5	248.0	279.0	310.0
PV input						
Max input power(kWp)		5.7	6.4	11.4	12.8	14.2/28.4
Max charge current(A)		50				50/100
Start voltage(VDC)		120	130	240	270	300
MPPT work range(VDC)		110-280	120-280	230-450	260-450	290-450
Max input PV voltage (VDC)		300	300	480	480	480
Float charge Voltage(VDC)	Settable	108.0	121.5	216.0	243.0	270.0
Bulk charge Voltage(VDC)		113.6	127.8	227.2	255.6	284.0
Mains bypass(Optional)						
Input voltage range(Vac)		110/220/230/240±15%(Special voltage can be customized)				
Input frequency(Hz)		50/60±3%				
AC charging current		Optional				
AC output						
Output wave		L+N, Pure sine wave				
Output voltage(Vac)		110/220/230/240±1%(optional)				
Output frequency(Hz)		50/60±1%				
Output (THD)		≤2% (linear load)				
Inverter efficiency (80% line load)		≥85%				
Current peak factor		3:1				
Over load ability		105-110%, 600s; 110-125%, 60s; >125%, 1s				
Display		LCD+LED				
Protection		Input inverse polarity protection, input under-voltage protection, input overvoltage protection, output overload protection, output short circuit protection(need to restart machine because of No automatic recovery) overheat protection.				
Communication		RS485/GPRS(optional)				
Ambient environment						
Protection degree		IP20				
Applied altitude(m)		≤5000(1000 meters above derating)				
Permissible relative humidity		<95% (No condensation)				
Environment temperature(℃)		-10~+50				
Noise (1 meter)		≤50dB				
Size and weight						
W*D*H(mm)		305*645*770(192V-6K:210*580*580)				405*699*978
Weight(Kg)		70-90(192V-6K:50)				110-130

All specific cations and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market re-quirements and regulations.