

MOSUN/HDS SERIES HYBRID SOLAR INVERTERS

Main Features

- Micro Processor Control
- Building inside solar controller
- Hybrid solar inverter technology
- With priority Selection
- Over Charge Protection
- Automatic and silent operation
- Intelligent Automatic Charging
- Automatic charge while AC recovery(off model charging)
- Over load, short circuit protection
- Low battery protection
- Cool start
- Selectable AC charge current
- Multi-function LED&LCD Display Design and buzzer alarms.
- Application for Fan, light ,TV and office Appliances

MODEL	1KVA	2.4KVA
SPECIFICATION		
Unit price (EXW excluded VAT,RMB)		
MOQ for OEM (PCS)	600	600
DC INPUT		
Input Voltage(Vdc)	12Vdc	24Vdc
Input DC Range(Vdc)	10~16Vdc	20~36Vdc
AC Bypass in "on/off" switch off mode		
Nominal Input Voltage(Vac)	220/230/240Vac	
Input AC Range(Vac)	170-280Vac (Narrow Range) or 90-280Vac (Wide Range)	
Input Frequency(Hz)	50/60 Hz	
Bypass Output Voltage(Vac)	SAME AS INPUT AC	
Bypass Output Frequency	SAME AS INPUT Frequency	
Charge Current(A)	15-20A±2A (Selectable)	10A±1A
Charge Bulk Voltage	14.4±0.2Vdc	28.8±0.4Vdc
Charge Floating Voltage(V)	13.75±0.2Vdc	27.4±0.4Vdc
Over Charge Protection	≥16±0.4Vdc, Fault, Buzzer alarm	≥32±0.8Vdc, Fault, Buzzer alarm
AC Efficiency	>95% (Rated R load, battery full charged)	
Transfer Time(AC to DC)(ms)	15-20ms typical(narrow range); 40ms max(wide range)	
Bypass Transfer time(ms)	≤5ms	
SOLAR CONTROLLER		
Solar controller	50A/12V	50A/24V
AC OUTPUT (INVERTER)		
Capacity(VA)	1000VA	2400VA
Output Power(W)	800W	1600W
Output Voltage	230Vac	
Output Frequency	50/60Hz	
Voltage Precision(VAC)	230±10%	
Frequency Precision	50/60Hz±0.2Hz	
Output Voltage Waveform	modified sine wave	
Inverter Efficiency	>83%	>86%
Over load capacity	>110% rated R load,60s later shut offer; >150%rated R load, immediately fault	
LCD+LED Display	Output Voltage;Load Capacity;Battery Capacity; Line/Solar/Battery Mode;Fault Mode	
PROTECTION		
Protection	over load/ short circuit protection	
	Over charge , discharge protection	
AMBIENT		
Noise(dB)	≤40dB (1 meter)	
Temperature	-20~45°C	
Humidity	0~95% (no condensation)	
Sea Level(m)	≤1500m	
DIMENSION		
Package L×W×H(mm)	300*231*97mm(wall mounted)	
GW. Weight(Kg) /Carton	3.7/4.8KG	

Products Photos

Old design: MOSUN



New design: HDS

