

## Shandong HS-HM New Energy Tech Co., Ltd.

<b>INVERTER / CHARGER</b>				
Inverter Type	6KW/48V Off grid	6KW/48V Off grid	6KW/48V Off grid	6KW/48V Off grid
Rated Output Power	6KW	6KW	6KW	6KW
Output Voltage Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Output Voltage	230VAC 50HZ	230VAC 50HZ	230VAC 50HZ	230VAC 50HZ
Low DC Warning Voltage	45.8Vdc	45.8Vdc	45.8Vdc	45.8Vdc
Low DC Cut-off Voltage	44.8Vdc	44.8Vdc	44.8Vdc	44.8Vdc
Low DC Warning Return Voltage	46.8Vdc	46.8Vdc	46.8Vdc	46.8Vdc
Total Charging Current(Grid+solar)	120A Max.	120A Max.	120A Max.	120A Max.
Bulk Charging Voltage	57.6Vdc	57.6Vdc	57.6Vdc	57.6Vdc
Float Charging Voltage	56.0Vdc	56.0Vdc	56.0Vdc	56.0Vdc
<b>LITHIUM IR ON BATTERY</b>				
NormalBatteryModular	51.2V100Ah*1	51.2V100Ah*2	51.2V100Ah*3	51.2V100Ah*4
NormalCapacity(25°C, 0.2C)	5120Wh	10.24KWh	15.36KWh	20.48KWh
NominalBatteryVoltage	51.2Vdc	51.2Vdc	51.2Vdc	51.2Vdc
NominalCapacity	100A	200A	300A	400A
Max.ChargeCurrent	150A 1Sec.	300A 1Sec.	450A 1Sec.	600A 1Sec.
Max.DischargeCurrent	50A	100A	150A	200A
OperationVoltageRange	44.8Vdc ~ 58.4Vdc	44.8Vdc ~ 58.4Vdc	44.8Vdc ~ 58.4Vdc	44.8Vdc ~ 58.4Vdc
OperationTemperature	-10°C~ +50°C	-10°C~ +50°C	-10°C~ +50°C	-10°C~ +50°C
<b>AC INPUT</b>				
Nominal Input Voltage	230Vac			
Low Loss Voltage	170Vac ± 7(UPS),90Vac ± 7(Appliances)			
Low Loss Return Voltage	180Vac ± 7(UPS),100Vac ± 7(Appliances)			
High Loss Voltage	280Vac ± 7			
High Loss Return Voltage	270Vac ± 7			
Max. AC Input Voltage	300Vac			
Nominal Input Frequency	50HZ / 60HZ(Auto detection)			
AC Charging Current	120A Max.			
<b>SOLAR INPUT</b>				
Nominal PV Voltage	360Vdc			
PV Array MPPT Voltage Range	120Vdc~450Vdc			
Max. PV Array Open Circuit Voltage	500Vdc			
Solar Charging Current	120A Max.			
<b>PROTECTION</b>				
Protection	Overcharge protection、Overdischarge protection、Overcurrent protection、Shortcircuit protection、Overtemperature protection			
<b>AMBIENT</b>				
Noise(dB)	< 30°C < 40dB (1 meter)			
Working Temperature	-10°C~ +50°C			
Humidity	0~95% ( no condensation)			
Sea Level(m)	≤1500			
<b>OTHERS</b>				
Efficiency	92.0%			
Warranty	5 Years			

ADD: Solar Valley Road, Economic Development Zone, Dezhou, Shandong, China  
 TEL: +86-534-5089101 FAX: +86-534-2312962