

inventronics

HYBRID INVERTER



Key Features

User-friendly

- Hourly charge and discharge control function to reduce electricity costs
- Max. 16 A input current, compatible with large power PV module
- Ultra Powerful off-grid carrying capacity, never worry about losing power during blackouts

Easy-to-install

- Quick connectors for reliable tool-free DC connection
- Compatible with over 30 brands of battery, Plug and play to reduce
- Weight<25kg, easy-to-install

Reliable

- Support diesel generator
- Switching time<10ms, support UPS level load
- With battery over current and over voltage level II protection, effectively reduce the risk of DC-side faults, improve electricity safety for end-users



Quick &
easy-to-install



Compact &
lightweight design



IP65 waterproof
for outdoor use



Single PV input
up to 5kW

Model	HHI005SD	HHI010SD
Input data (DC)		
Max. PV power [W]	6500	15000
Max. DC voltage [Vd.c]	500	1000
Rated DC voltage [Vd.c]	360	620
Max. input current [Ad.c]	16/16	16/16
Max. short circuit current [Ad.c]	23/23	23/23
MPPT voltage range [Vd.c]	90~430	180~900
MPPT input channels	2	2
Battery parameter		
Battery voltage range [Vd.c]	40~60	160~800
Rated battery voltage [Vd.c]	48	580
Max. charge/discharge power [W]	5000	10000
Max. charge/discharge current [Ad.c]	100/100	50/50
BMS Communication interface	Lithium battery / lead acid battery	Lithium battery / lead acid battery
Input/Output(AC)		
Rated grid power[VA]	5000	10000
Rated voltage [Va.c]	220/230	400/230;380/220
Frequency[Hz]	50/60	50/60
Rated grid current[Aa.c]	22.8	15.1
Max. input current[Aa.c]	10000	11000
Power Factor	0.8 leading~0.8 lagging	0.8 leading~0.8 lagging
THD[Stable Power]	3%	3%
Output load(Battery)		
Rated Backup Power[W]	5000	10000
Rated grid voltage [Va.c]	220/230	400/230;380/220
Electrical connections	1L/N/PE	3L/N/PE
Frequency[Hz]	50/60	50/60
Rated current[Aa.c]	22.8	15.1
Max. AC current[Aa.c]	27	18
THD (Linear load)	<3%	<3%
Switch time [ms]	<10	15
Battery parameter		
MPPT efficiency[%]	99.9	99.9
European efficiency[%]	97	97.6
Max. efficiency[%]	97.8	98
Charge/discharge efficiency[%]	95	96
Consumption		
Standby consumption[W]	<25	<25
Environment		
IP Grade		IP65
Protection level		ClassI
Operating Temperature range	-25°C...+60°C(>+45°C,Derating)	
Altitude[m]	<2000	
Storage temperature	-25°C...+60°C	
Noise[dB]	<30	
Overvoltage level	DCII:ACIII	
Size&Weight		
Size[W*H*D]	481*481*189	550*540*190
Weight[kg]	<20	<25
General parameters		
Cooling method	Natural cooling	
Isolation type	HF for battery side	
Communication	WIFI、GPRS (optional) 、RS485	
Indicator light	LED	