

HYBRID INVERTER

PRODUCT FEATURE



High-precision

- High-precision MPPT control
- High precision meter, anti-backflow / load power consumption monitoring



Long life

- Protection level IP65
- Design life 25 years;Adapt to high temperature, high cold, high salt fog etc.



Multi-mode

- Uninterrupted switching between on-grid and off-grid
- A variety of working modes can be set, unmanned, no EMS-independent operation



Multiple configuration

- Flexible configuration, PV/grid charging mode,lithium battery/lead acid battery can be selected
- Support RS485, WiFi, GPRS monitoring mode



HHB-05K000EULV

TECHNICAL SPECIFICATION

HHB-05K000EULV	
Input data (DC)	
Max.PV power [W]	6500
Max.DC voltage [Vd.c]	500
Rated DC voltage [Vd.c]	360
Max.input current [Ad.c]	16/16
Max.short circuit current[Ad.c]	23/23
MPPT voltage range [Vd.c]	90~430
MPPT input channels	2
Battery parameter	
Battery voltage range [Vd.c]	40~60
Rated battery voltage [Vd.c]	48
Max.charge/discharge power [W]	5000
Max.charge/discharge current [Ad.c]	100/100
Battery type	Lithium battery / lead acid battery
Input/Output(AC)	
Rated grid power[VA]	5000
Rated voltage [Va.c]	220/230
Frequency[Hz]	50/60
Rated grid current[Aa.c]	22.8
Max.input power[VA]	5000
Power Factor	0.8cap~0.8ind
THD[Stable Power]	<3%
Output load(Battery)	
Rated Backup Power[W]	5000
Rated grid voltage [Va.c]	230/220
Electrical connections	I/N/PE
Frequency[Hz]	50/60
Rated current[Aa.c]	22.8
Max.AC current[Aa.c]	27
THD[Linear load]	<3%
Switch time [ms]	<10
Efficiency	
MPPT efficiency[%]	99.9
European efficiency[%]	97
Max.efficiency[%]	97.8
Charge/discharge efficiency[%]	97.6/96
Consumption	
Standby consumption[W]	<25
Environment	
IP Grade	IP65
Protection level	ClassI
Operating Temperature[°C]	-25 ~ 60 (>+45,Derating)
Altitude[m]	< 3000
Storage temperature[°C]	-20 ~ 60
Noise emission[dB]	< 30
Overvoltage level	DCII; ACIII
Size&Weight	
Size[W*H*D]	481 (W)*481 (H)*189 (D)
Weight[kg]	< 20
General parameters	
Cooling method	Natural Cooling
Isolation type	Battery high-frequency transformer isolation
Communication	WIFI, GPRS (optical) , RS485
Indicator light	LED