

HBS 3.68~5K



Aluminum Alloy
 Die Casting



MES + FCT + CRM
 IT Infrastructure



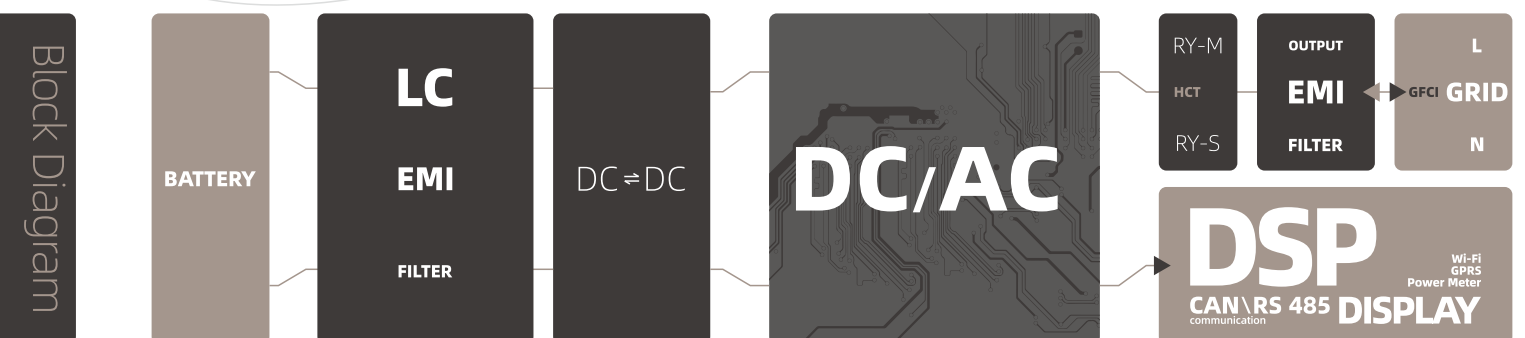
Peak Efficiency
 97.6%



Easy to
 Install and Service



Energy
 Management



Model (AC-Couple Battery Inverter)	HBS-3680	HBS-5000
Battery Input data		
Battery Type	Li-Ion	
Battery Voltage Range/Start Up Voltage (V)	85~480/90	
Max. Charging/Discharging Current(A)	25/25	
Battery Ready Optional Function	Yes	
Output AC for On-grid		
Rated Power to Grid(W)	3680	5000
Max. Apparent AC Power to Grid(VA)	3680	5000
Rated Grid Voltage(Vac)	220/230/240	
Rated Power Frequency(Hz)	50/60	
Max. Output Current to Grid/Max. AC Current from Grid(A)	16/16	23/23
Adjustable Displacement Power Factor	0.8ind to 0.8cap	
THDi at Rated Power	<3%	
Output AC for Back-up		
Max. Apparent Output Power (VA)	3680	5000
Peak. Apparent Output Power (VA)	4416 for 60sec	6000 for 60sec
Rated Power Frequency(Hz)	50/60	
Max. Output Current(A)	16	23
Automatic Switch Time (ms)	<10	
Nominal Output Voltage (V)	230 (±2%)	
Nominal Output Frequency (Hz)	50/60(±0.2%)	
THDV at Linear Load	<3%	
Efficiency		
Max. Efficiency	97.6%	
Protection		
Anti-Islanding Protection/Insulation Resistor Detection	Integrated	
Output Over Current/Over Voltage Protection	Integrated	
Grid Short Protection/Residual Current Monitoring Unit	Integrated	
General Data		
Dimensions(W*H*D) mm	395x328x154	
Weight(kg)	9.5	
User Interface	LED	
Battery Connection Type	SUNCLIX	
AC Connection Type	Plug-in Connector	
Communication with Portal	WiFi/GPRS(Optional)	
Communication with BMS	CAN	
Communication with Power Meter	RS485	
Cooling Method	Natural cooling	
Operating Ambient Temperature Range	-25°C ~ +60°C	
Relative Humidity	0% ~ 100%	
Max. Operating Altitude(m)	3000(>3000 Derating)	
Degree of Protection(IEC 60529)	IP65	
Climatic Category(IEC 60721-3-4)	4K4H	