

HBS

Single Phase AC Couple

3.68-5K



Aluminum Alloy
Die Casting



MES + FCT + CRM
IT Infrastructure



Peak Efficiency
97.6%



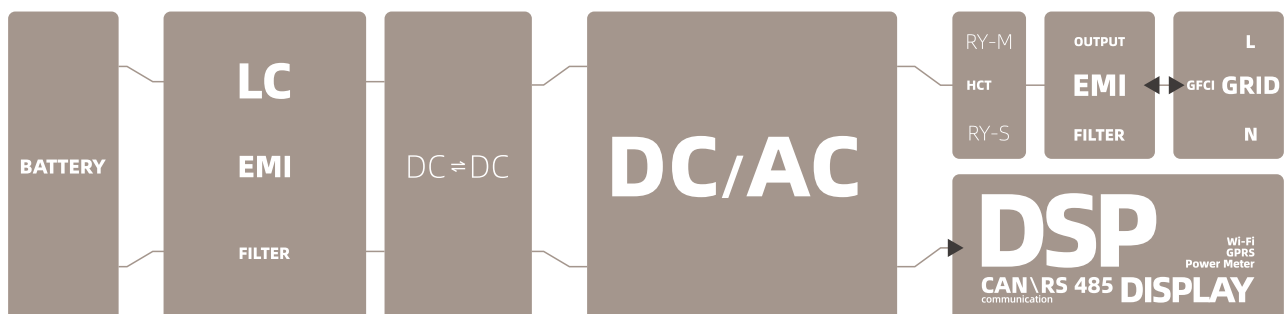
Easy to
Install and Service



Energy
Management

Features

Block Diagram



MODEL (AC - COUPLE BATTERY INVERTER)		HBS-3680	HBS-5000
BATTERY INPUT DATA		GENERAL DATA	
Battery Type	Li-Ion	Dimensions (W*H*D) / mm	395*328*154
Battery Voltage Range / V	85 - 480	Weight / kg	9.8
Start Up Voltage / V	90	Noise Emission (typical) / dB (A)	<30
Max. Charging/Discharging Current / V	25/25	User Interface	LED
Charging Strategy for Li-Ion Battery	Self-Adaption to BMS	Battery Connection Type	SUNCLIX
OUTPUT (AC TO GRID)		AC Connection Type	Plug-in Connector
Rated Power to Grid / W	3680	Communication with Portal	WiFi/GPRS (Optional)
Max. Apparent AC Power to Grid / VA	3680	Communication with BMS	CAN
Rated Grid Voltage / Vac	220/230/240	Communication with Power Meter	RS485
Rated Power Frequency / Hz	50/60	Cooling Method	Natural Cooling
Max. Output Current to Grid / A	16	Operating Ambient Temperature / °C	-25°C - +60°C
Max. AC Current from Grid / A	16	Allowable Relative Humidity Range	0% - 100%
Power Factor	0.8ind to 0.8cap	Max. Operating Altitude / m	3000 (>3000 Derating)
THDi at Rated Power	<3%	Degree of Protection (IEC 60529)	IP65
OUTPUT (AC TO LOADS)		Climatic Category (IEC 60721-3-4)	4K4H
Max. Apparent Output Power / VA	3680	Isolation Method	Transformerless
Peak Apparent Output Power / VA	4416 for 60"	Power Loss On Night Mode / W	<1
Rated Power Frequency / Hz	50/60		
Max. Output Current / A	16		
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			
Battery Charge/Discharge From/ To AC Max. Efficiency	97.0%		
PROTECTION FUNCTION			
Anti-Islanding	Integrated		
Insulation Resistance Detection	Integrated		
Residual Current Monitoring	Integrated		
Output Over Current	Integrated		
Output Over Voltage	III (AC)		
Output Short Circuit	Integrated		
Surge Protection	AC: Type II		