

# ThingsHiFi GH

SOLAR GRID HYBRID INVERTER

1,3 & 5 KVA GRID HYBRID INVERTER

BMS WITH UPS FUNCTIONALITY

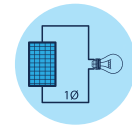
HF TRANSFORMERLESS DESIGN

5+ YEAR WARRANTY EXTENTION

PRODUCT & SYSTEM CERTIFICATE



Fast Auto Disconnection For Faults & Grid Outage



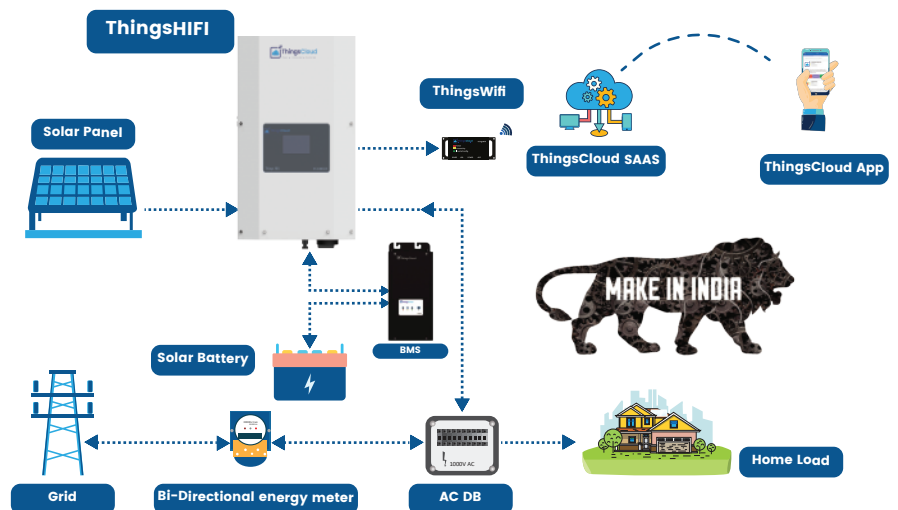
Single Phase - 1, 3, & 5 KVA Grid Hybrid Inverter With Battery.



AI For Predictive & Preventive Maintenance. Learn And Adapt To Customer Usage.



Monitor & Control Via ThingsCloud App & Web Access.



Parameters	ThingsHiFi 1024GH	ThingsHiFi 3048GH	ThingsHiFi 5048GH
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### SOLAR

Charge Controller rating	1000W	3000 W	5000 W
Max I/P voltage (Voc)	200 V	450 V	450 V
MPP Voltage range	50-160 V	160-360 V	160-360 V
Max I/P Current	10 A	10 A	10 A
Start Up Voltage	40 V	150 V	150 V
No of MPPT	1	1	2

### OUTPUT

Nominal O/P Power	1000 W	3000 W	5000 W
Nominal O/P Voltage	230V,50Hz	230V,50Hz	230V,50Hz
Max Grid feed Current	5 A	16 A	25 A
Grid feed Voltage range	165-280 VAC	165-280 VAC	165-280 VAC
Grid feed Frequency range	45-55 Hz	45-55 Hz	45-55 Hz
No. of Phases	1	1	1
Harmonic Distortion	<3%	<3%	<3%
Surge Handling Capacity	150%	150%	150%
UPS Mode	Regulated/Unregulated		

### BATTERY

Nominal Battery Voltage	24 V	48 V	48 V
Type of Battery	Sealed / Flooded / Li-ion / Gel		
Charging Current	Low (15A)/High (20A)		
Charging Modes	Boost, Absorbion & Float		

### EFFICIENCY

Peak Efficiency	>94 %
Stand by Power consumption	<15 W

### DISPLAY & COMMUNICATION

Display	128X64 Graphic LCD
Display Parameters	PV- Voltage & Current, Grid Voltage, Grid feed current, Energy generated, Energy feed to Grid, Battery Voltage, Battery Charging Current, Error Code.
Communication	RS-485
Communication Interface(Optional)	WiFi 802.11 b/g/n

### OPERATIONAL PARAMETERS

Operating Temp Range	up to +60 Deg Cel
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### MECHANICAL PARAMETERS

Dimensions	( 570X3450X200 mm )	INVERTER( 634X350X164 mm )	BMS( 458X203X150 mm )
Weight	21Kgs	25Kgs	28Kgs
Ingress Protection	IP65		
Recommended Mounting	Wall Mounting		

### CERTIFICATIONS

Certifications	IEC 61683, IEC 60068-2(1,2,14,30),IS16169/IEC 62116, IEC 61727 IS16221- 1,2/IEC 62109-1,2, IEC 61000
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