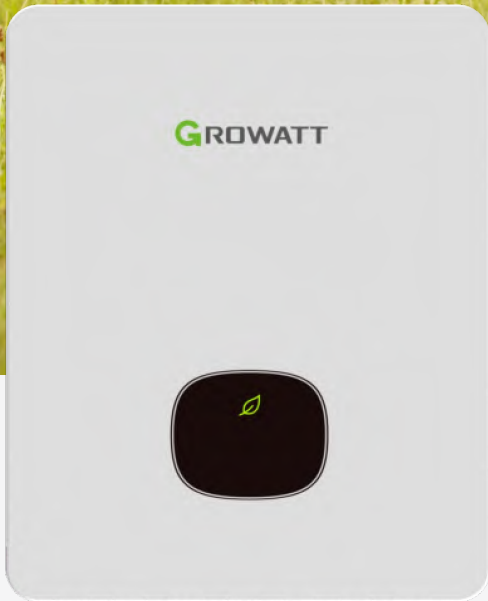


# SYN 50-XH-1

- Whole house power backup, up to 6kW
- Integrated breaker and meter, easy to install
- Generator input and wake-up optional



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# Datasheet

# SYN 50-XH-1

## Input From Grid

Max. AC Input Overcurrent Protection	63A
Max. Continuous Input Current	50A
AC Output Voltage(Nominal)	230V
AC Output Voltage Range	180-270V
AC Frequency(Nominal)	50Hz/60Hz
AC Frequency Range	45-65Hz
Grid Disconnection Switchover Time	<500ms

## Input From Inverter

Rated AC Power	6000W
Max. Continuous Input Current@230V	26.1A
Rated AC Power in Continuous Backup Operation	6000W
Max. Continuous Input Current in Backup Operation	26.1A
Peak AC Power(<10s) in Backup Operation	6600W
Peak AC Current(<10s) in Backup Operation	28.7A

## Generator(optional)\*

Max. Rated AC Power	10000W
Max. Continuous Input Current	50A
Dry contact switch voltage rating	230Vac
Dry contact switch current rating	5A
2-wire Start	Yes

## Additional Features

Communication	RS485
Manual Control Bypass Switch	Yes
Energy Meter(for Import/Export)	1% accuracy
Cooling	Natural convection
Noise	<30dB
Operating Temperature Range	-40 °C~60 °C
Protection Rating	IP65
Operating Humidity(RH)	Up to 100%
Maximum Elevation	3000m
Mounting options	Wall mounted
Weight	11kg
Dimensions(H/W/D)	365/450/123mm

\* Model SYN 50-XH-11 with breakers integrated, model SYN 50-XH-12 with breaker and generator input integrated.