

Smart Energy Hot Water

SEHAZB-HEAT-CONT-3



SMART ENERGY

Maximize self-consumption by storing excess energy as hot water

- Smart Energy Hot Water adjusts the power supplied to the heater based on available PV power (up to 3kW)
- Seamless integration with all SolarEdge inverters
- Simple wall mount installation
- Wireless communication between the inverter and Smart Energy Hot Water via ZigBee
- Suitable for powering purely resistive loads only

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UNITS

ELECTRICAL SERVICE

Operating Voltage Range	207 - 253	Vac
AC Frequency	50	Hz
Supported Grids	L / N / PE	
Maximum Supported Load Size	3	kW
Maximum Load Current Rating	13	A
Minimum Output Power	2% of load rating	
Load Type	Resistive	
Efficiency	> 97	%

COMMUNICATION

Supported Communication Protocol	ZigBee Home Automation	
Device Configuration	Via the monitoring app; Ethernet connection is required ⁽¹⁾	
Nominal Transmit Power	3	dBm
Operating Frequency Range	2.4 - 2.5	GHz
Bandwidth	2	MHz
Modulation	O-QPSK with DSSS coding	
Outdoor (LOS) Range	400	m
Indoor Range ⁽²⁾	50	m

STANDARD COMPLIANCE

Radio	ETSI EN 300 328 V 1.8.1, ETSI EN 301 489-1, ETSI EN 301 489-17	
Safety	EN-60335-1, EN60335-2-21	
Immunity	EN 61000-6-3, EN 55014-1, EN 55014-2	
Emissions	EN 61000-6-2, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1	

INSTALLATION SPECIFICATIONS

Dimensions (H x W x D)	277 X 309 X 70.5	mm
Weight	3.9	kg
Operating Temperature Range	-5 to +40	°C
Cable Gland Diameters	2 glands 6-12, 2 glands 4-8	mm
Terminal Block Minimum Wire Cross Section	2.5	mm ²
Protection Rating	IP20	
Mounting Type	Wall mount	

(1) Cellular connection may be used; requires a SIM card with a 1GB data plan that should be purchased from a cellular provider.
 (2) Approximate values. May differ depending on specific installation conditions.

SolarEdge System with Smart Energy Hot Water

