# Smart Energy Hot Water For North America

SMRT-HOT-WTR-45-S1







# SMART ENERGY

# Maximizes self-consumption by storing excess solar energy as hot water

- Seamless integration with all SolarEdge inverters, and the monitoring platform
- Adjusts power supplied to the heater based on available PV power (up to 4.5 kW)
- Built-in water tank power-consumption meter
- Simple wall mount installation
- / Wireless communication with the inverter
- Suitable for powering purely resistive loads only
- Optional temperature sensor for optimized heating



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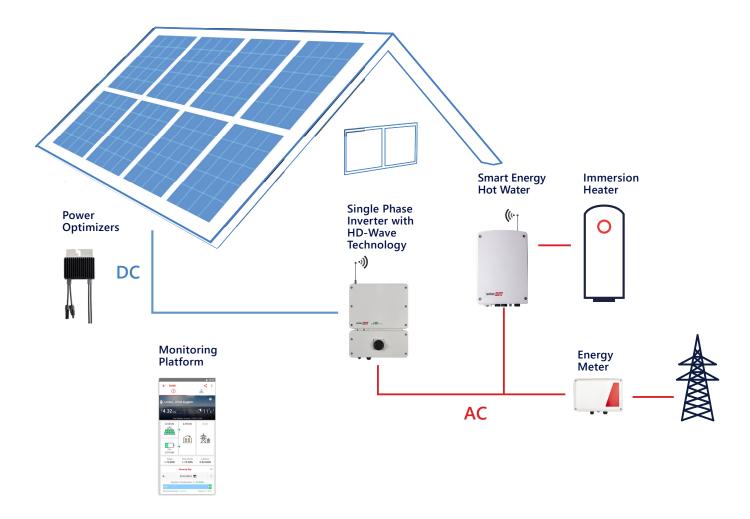
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210-273 60 240 L1 /L2/N/PE or / L1 /L2/PE 4.5 273 19 5% of load rating Resistive > 98 22 ≥ 25 Type 1 C  ZigBee Home Automation monitoring platform/ app, or SetApp; Ethernet connection is required 22.8 2.4 - 2.5 27.8 ≤ 30 2 O-QPSK with DSSS coding 1312 / 400	Vac Hz Vac Hz Vac  kW Vac A
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O-QPSK with DSSS coding 1312 / 400	
1312 / 400	ft / m
164 / 50	ft / m
300 328 V 1.8.1, ETSI EN 301 489-1, ETSI EN 301 489-17	
UL 60730 , CSA C22.2	
FCC part 15 class B	
. ee part 15 class 2	
14.7 × 9.5 × 4.5 / 375 × 240 × 110	Inch / mr
11.7 / 5.3	lb / kg
14 to 122 / -10 to +50	°F / °C
0 for 13 AWG/2.5 mm², 20/65 for 11 AWG/ 4 mm²	m / ft
1. AC in 2. AC out	Inch
3. External Antenna RP-SMA	
inch conduits (8-gauge wire) Pre-drilled opening of 1.109 inch	
15 / 1.5	AWG / mi
NEMA Type 3R	
20,400.01	
M20 x 1.5mm cable entry (gland included)	
1/2"NPT parallel	
-148°F to +842°F (connection head @ 338°F)	
1	3. External Antenna RP-SMA  24 inch conduits (8-gauge wire) Pre-drilled opening of 1.109 inch  15 / 1.5  Wall mount  NEMA Type 3R  100 (100 Ohms @ 0°C) to IEC 751, Class B, 3/4 wire  6.0mm diameter stem in 316 stainless steel  alloy weatherproof connection head with 4 wire connection block, M20 x 1.5mm cable entry (gland included)  1/2"NPT parallel

<sup>(1)</sup> The device stops diverting power to the load when this threshold is exceeded (2) Approximate values. May differ depending on specific installation conditions (3) Temperature sensor ordered separately. For more information please contact SolarEdge

## / SolarEdge System with Smart Energy Hot Water

### **For North America**



### Temperature Sensor®





