



## SuperStor Solar Water Heaters with Boiler (SBN Series) or Electric (DWSEN Series) Back-Up Submittal Sheet

**JOB NAME:**

**LOCATION:**

**ARCH./ENGR.:**

**WHOLESALER:**

**MECH. CONTRACTOR:**

**MODEL NUMBER:**

**BACK-UP WATER HEATING SYSTEM:**

### High Efficiency Solar Heat Exchanger

- High output finned 90/10 cupronickel solar heat exchanger provides corrosion resistance and maximum heat transfer of solar energy to domestic water
- Gasketless heat exchanger design
- 1" NPT solar heat exchanger inlet/outlet size – all models

### Stainless Steel Tank

- Tank constructed of type 316L stainless steel for tolerance of high temperatures and superior corrosion resistance
- Insulated with environmentally safe, CFC free, water-blown, extra thick foam insulation
- Allows less than ½ degree Fahrenheit per hour heat loss
- Outer shell constructed of silver finished durable plastic for rust and impact resistance
- 1" NPT inlet and outlet domestic connection size for all models
- Included temperature and pressure relief valve
- Stainless steel sensor clip with nut for accurate current temperature measurement inside vessel

### SBN Series Solar Water Heaters

- Back-up Boiler Heat Exchanger – provides back-up water heating from the boiler if the solar system fails to keep up with domestic hot water demand
- Specially formulated high output finned 90/10 cupronickel heat exchanger provides corrosion resistance and maximum heat transfer of boiler energy to domestic water
- Gasketless heat exchanger design
- 1" NPT boiler heat exchanger outlet size – all models
- Stainless steel boiler control well to accurately control back-up operation

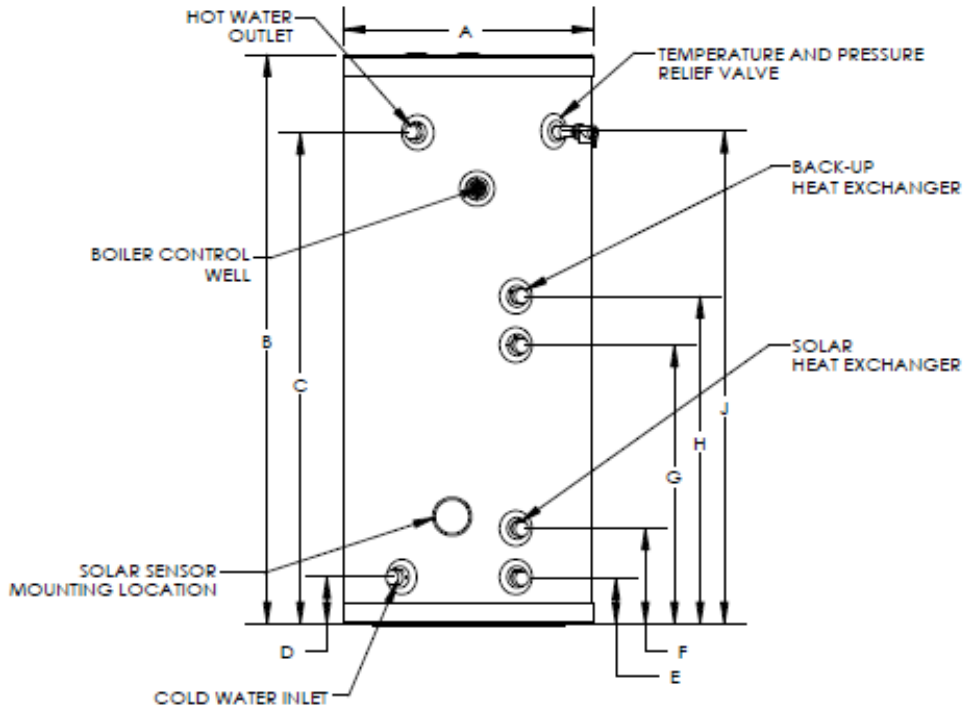
### DWSEN Series Solar Water Heaters

- Double-walled solar heat exchanger
- Back-up Electric Element - 4500W / 240V stainless steel incoloy electric element with brass screw base - provides back-up water heating if solar system fails to keep up with domestic hot water demand
- Surface mounted thermostat control provides timely activation of the back-up electric element

### Additional Features

- Limited warranty – Lifetime residential and 7 years commercial coverage
- May qualify for additional State and Local incentives – ask your installer for more information
- Lead Free Compliant, as required by the Safe Drinking Water Act, Section 1417

# SUPERSTOR SB SERIES SOLAR WATER HEATER (with BACK-UP HEAT EXCHANGER)



SUPERSTOR SOLAR WATER HEATER DIMENSIONS										
MODEL #	GAL.	DIMENSIONS								
		A	B	C	D	E	F	G	H	J
SSU-60SBN	60	23"	52"	46"	5"	5"	9-1/4"	26-1/2"	31"	46"
*SSU-80SBN	80	23"	72"	64-1/2"	5"	4-1/2"	9-1/4"	36-1/2"	41-1/2"	64-1/2"
*SSU-119SBN	119	27"	74"	66-1/2"	7-1/2"	7"	11-1/4"	38-1/2"	43-1/2"	66-1/2"

SUPERSTOR SOLAR WATER HEATER SPECS						
MODEL #	GAL.	HEAT EXCHANGER OUTLET SIZE	INLET/ OUTLET SIZE	DRY WEIGHT	WET WEIGHT	SHIPPING WEIGHT (lbs)
SSU-60SBN	60	1" NPT	1" NPT	100	492	120
*SSU-80SBN	80	1" NPT	1" NPT	131	656	151
*SSU-119SBN	119	1" NPT	1" NPT	210	1722	220

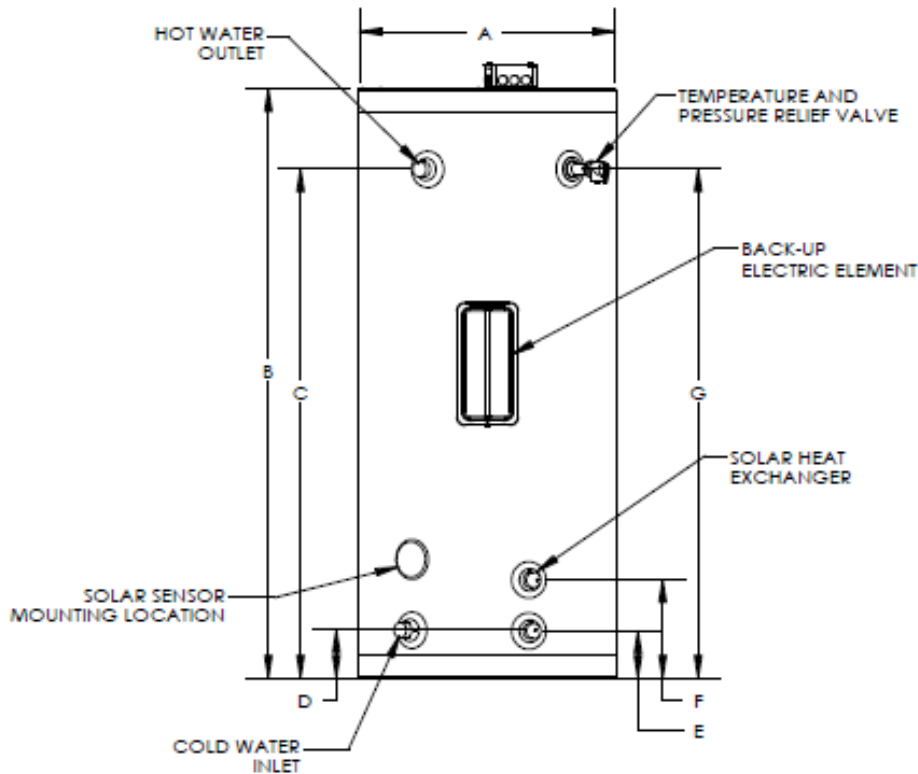
\* DW SOLAR COIL MODELS SPECIAL ORDER, CONSULT FACTORY

SUPERSTOR SOLAR SB SERIES									
MODEL	HX VOLUME GALLONS		HEATED WATER VOLUME OF BACK UP	MAX. OPERATING PRESSURE OF COIL	RECOVERY OF BACK UP IN MINUTES		BOILER OUTPUT FOR TEST RECOVERIES	FIRST DRAW *	
	SOLAR	BOILER			65° RISE	90° RISE		65° RISE	90° RISE
SSU-60SBN	1 GAL	1 GAL	35 GAL	150 PSI	11 MIN	16 MIN	104,000 BTU/HR	40 GAL	28 GAL
SSU-80SBN	1 GAL	1 GAL	49 GAL	150 PSI	14 MIN	19 MIN	114,000 BTU/HR	60 GAL	40 GAL
SSU-119SBN	1 GAL	1 GAL	64 GAL	150 PSI	22 MIN	31 MIN	121,000 BTU/HR	90 GAL	60 GAL

\* AMOUNT OF WATER DRAWN OUT OF STORAGE TANK WITHOUT ANY ENERGY INPUT

All tank dimensions are approximate. Heat Transfer reserves the right to make product changes or updates without notice. Heat Transfer will not be held liable for typographical errors in literature. For questions, please consult the factory.

# SUPERSTOR SE SERIES SOLAR WATER HEATER (with BACK-UP ELECTRIC ELEMENT)



SUPERSTOR SOLAR WATER HEATER DIMENSIONS									SUPERSTOR SOLAR WATER HEATER SPECS						
MODEL #	GAL	DIMENSIONS							MODEL #	GAL	HEAT EXCHANGER OUTLET SIZE	INLET/OUTLET SIZE	DRY WEIGHT	WET WEIGHT	SHIPPING WEIGHT (lbs)
		A	B	C	D	E	F	G							
SSU-60DWSEN	60	23"	52"	46"	5"	5"	9-1/4"	46"	SSU-60DWSEN	60	1" NPT	1" NPT	90	492	115
*SSU-80DWSEN	80	23"	72"	64-1/2"	5"	4-1/2"	9-1/4"	64-1/2"	*SSU-80DWSEN	80	1" NPT	1" NPT	121	656	146
*SSU-119DWSEN	119	27"	74"	66-1/2"	7-1/2"	7"	11-1/4"	66-1/2"	*SSU-119DWSEN	119	1" NPT	1" NPT	200	1722	215

\* DW SOLAR COIL MODELS SPECIAL ORDER, CONSULT FACTORY

SUPERSTOR SOLAR SE SERIES							
MODEL	SOLAR HX VOLUME GALLONS	WATER VOLUME OF BACK UP	MAX. OPERATING PRESSURE OF COIL	RECOVERY OF BACK UP IN MINUTES		FIRST DRAW*	
				65° RISE	90° RISE	65° RISE	90° RISE
SSU-60DWSEN	1 GAL	35 GAL	150 PSI	74 MIN	102 MIN	40 GAL	28 GAL
SSU-80DWSEN	1 GAL	49 GAL	150 PSI	104 MIN	143 MIN	60 GAL	40 GAL
SSU-119DWSEN	1 GAL	64 GAL	150 PSI	135 MIN	187 MIN	90 GAL	60 GAL

\* AMOUNT OF WATER DRAWN OUT OF STORAGE TANK WITHOUT ANY ENERGY INPUT

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