

Solar Boiler™ System

Bill of Materials

One-Collector System

MODEL: SB32-9PV		Retail Price: \$3935 CAD (Energy rating: 6.15 GJ/year, CSA approved)
Quantity	Model	Description
1	S32B-P	4ft x 8ft Serpentine solar collector, "B", 2 connection ports + sensor well
1	SBM-13DC	Solar Boiler™ Module: - Solar Pump™ (pump/motor/linear current booster/controller) - Heat exchanger - expansion tank - glycol reservoir (complete with 4 liters of heat transfer fluid) - water and glycol ports - pressure relief valve
1	PV20	20 Wp photovoltaic module
1	K1060	PV mounting kit (for PV20)
1	K1050	Serpentine collector mounting kit [mounts flush to roof]
1	K2030-50	Copper tube kit [connects collector to Solar Boiler module, 50 ft distance between] - 50 ft supply copper tube, 3/8" dia - 50 ft return copper tube, 3/8" dia - 60 ft 18/4 LVT wire - 100 ft pipe insulation
1	GLYUSM	4 liter of heat transfer fluid for topping up the system
2	SAS-10	10K Thermistor temperature sensors
1		Brass kit (TPRV, sedimentation faucet, ball valve, air vent, fittings)

Two-Collector System

MODEL: SB64-9PV		Retail Price: \$4929 CAD (Energy rating: 9.94 GJ/year, CSA approved)
Quantity	Model	Description
1	S32A-P	4ft x 8ft Serpentine solar collector, "A", 4 connection ports
1	S32B-P	4ft x 8ft Serpentine solar collector, "B", 2 connection ports + sensor well
1	SBM-13DC	Solar Boiler™ Module: - Solar Pump™ (pump/motor/linear current booster/controller) - Heat exchanger - expansion tank - glycol reservoir (complete with 4 liters of heat transfer fluid) - water and glycol ports - pressure relief valve
1	PV20	20 Wp photovoltaic module
1	K1060	PV mounting kit (for PV20)
1	K1055	Serpentine collector mounting kit [mounts flush to roof]
1	K2030-50	Copper tube kit [connects collector to Solar Boiler module, 50 ft distance between] - 50 ft supply copper tube, 3/8" dia - 50 ft return copper tube, 3/8" dia - 60 ft 18/4 LVT wire - 100 ft pipe insulation
1	GLYUSM	4 liter of heat transfer fluid for topping up the system
2	SAS-10	10K Thermistor temperature sensors
1		Brass kit (TPRV, sedimentation faucet, ball valve, air vent, fittings)

Packaged system does not include:

- 60 IG (270 liter) Solar Storage Tank (approx. value \$500)
- Miscellaneous hardware, eg. fittings, valves, piping, insulation, etc. (approx. value \$250)

 <p>THERMO DYNAMICS LTD.</p>	<p>SOLAR SPECIALISTS 101 Frazee Avenue • Dartmouth Nova Scotia • Canada • B3B 1Z4 Tel: (902) 468-1001 • Fax: (902) 468-1002 solarinfo@thermo-dynamics.com www.thermo-dynamics.com <i>"Since 1981"</i></p>	 <p>243150</p>	 <p>ENERGY STAR HIGH EFFICIENCY HAUTE EFFICACITÉ</p> <p><small>ENERGY STAR APPLIES TO SB64-9PV ONLY</small></p> <p>SB32-9PV: 6.11 GJ/year SB64-9PV: 9.94* GJ/year</p>	 <p>OG-100</p>
------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

**The highest energy output of all CSA approved systems!*