



**CERTIFIED SOLAR THERMAL SYSTEM**

SUPPLIER:  
**Alternate Energy Technologies**  
 1345 Energy Cove Court  
 Green Cove Springs, FL 32043 USA  
 www.aetsolar.com

MODEL: D-120-64  
 THERMAL SYSTEM TYPE: Pumped, Direct  
 CERTIFICATION #: S9242  
 Original Certification: January 01, 2008  
 Expiration Date: January 01, 2028

This system was evaluated by the Florida Solar Energy Center (FSEC) in accordance with the Florida Standards Program for Solar Domestic Water and Pool Heating Systems (FSEC Standard 104-10) and was found to meet the minimum standards established by FSEC.

The calculated Florida Energy Factors (FEF) for this system are:		
FEF North (FEF <sub>N</sub> )	FEF Central (FEF <sub>C</sub> )	FEF South (FEF <sub>S</sub> )
5	8.10	9.50

Option	Collector Panel Manufacturer	Collector Panel Certification Number	Collector Panel Model Number	Quantity	Total Panel area	Total Panel area
1	Alternate Energy Technologies	00089N	AE-32	2	5.93 (m <sup>2</sup> )	63.82 (ft <sup>2</sup> )

Tank Manufacturer	Model	Capacity	Type	Equivalent Tank may be substituted
American	SE 62-119H-045S	454 liter	Solar	YES

Pump Manufacturer	Model Number	Power Draw	Type
TACO	003-BC4	50 W	Centrifugal
Grundfos	UP15-18B5	30 W	Centrifugal

Controller Manufacturer	Model Number	Type
IMC Instruments	Eagle 2	Differential
IMC Instruments	Eagle 1	Differential
Goldline Controls	GL-30-LCO	Differential

Freeze Protection 1: Freeze valve
Freeze Protection 2:

**REMARKS:**

*Joseph Walters*  
 Technical Director



# Missing System Diagram Image

If you need System diagram image please contact FSEC  
at [thermal@fsec.ucf.edu](mailto:thermal@fsec.ucf.edu).

