



July 15, 2009

Eric Lee
Harpiris Energy
25205 Baronet Road
Corral de Tierra, California 93908

Dear Mr. Lee,

The Harpiris Energy solar system models SunCache SCU-50 (FSEC 00171) and SunCache SCG-50 (FSEC 00172) are certified at this time as meeting the minimum standards established by the Florida Solar Energy Center. The certifications are based upon tests performed on each model at Florida Solar Energy Center.

Enclosed are three copies of each model test report and Summary Information Sheet as certificate of system certification.

Certification labels must be placed on all solar systems sold in Florida per Florida Statute 377.705. Labels for the systems can be ordered by obtaining your own quotes and contracting the job yourself. We request that you submit one of the finished labels to FSEC prior to use on systems. Camera-ready artwork and the specification for the label are enclosed.

If you have questions regarding this matter, you can contact me by mail, email at huggins@fsec.ucf.edu, or phone at 321-638-1503.

Sincerely,

Jim Huggins
Program Director
Solar Energy Division

sb
Enclosures



SOLAR SYSTEM CERTIFICATION

Florida Solar Energy Center®
1679 Clearlake Road
Cocoa, Florida 32922-5703



FSEC 00172

MANUFACTURED BY:

Harpis Energy
25205 Baronet Road
Corral de Tierra, California 93908

MODEL #

SunCache SCG-50

SERIAL #

SYSTEM UNIT DESCRIPTION

GROSS AREA: 3.2105 m² (34.5433 ft²)
COVER PLATE AREA: 2.470 m² (32.586 ft²)
GROSS LENGTH: 2.518 m (8.260 ft)
GROSS WIDTH: 1.275 m (4.182 ft)
GROSS DEPTH: 0.18 m (0.6 ft)
WEIGHT (empty): 51 kg (112 lb)
FLUID CAPACITY: 185 L (48.9 gal)
TEST PRESSURE: 1103 kPa gauge (160 psig)

has been tested for thermal performance and meets the minimum standards established by the Florida Solar Energy Center as directed by Section 377.705 Florida Statutes.

THERMAL PERFORMANCE RATING (ASHRAE 95-81)

System consists of one unit.

Net Energy Delivered (Q_{NET}): 7.1 kWh (24,400 Btu)

Heat Loss Coefficient (L): 22.0 W/°C (41.0 Btu/hr°F)

