



SOLAR RATING & CERTIFICATION CORPORATION

CERTIFIED SOLAR SYSTEM

SUPPLIER:
Next Generation Energy, LLC
 75 Waneka Parkway
 Lafayette, CO 80026 USA
 www.ngeus.com

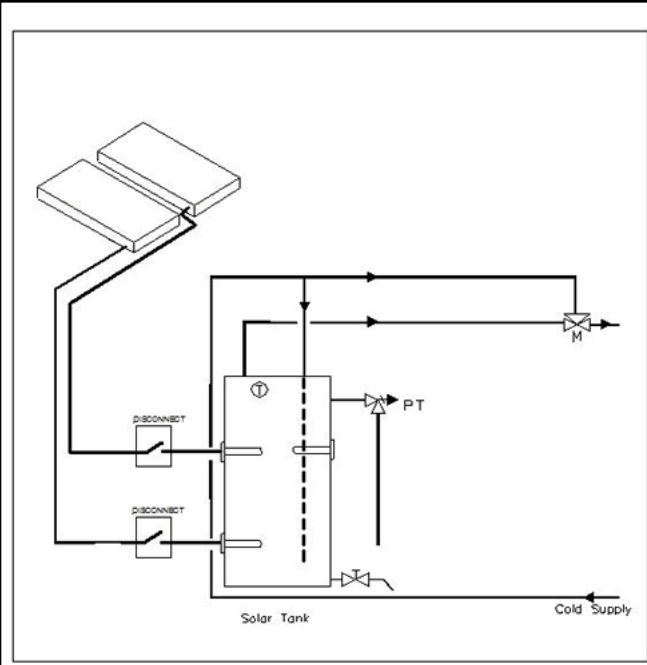
BRAND: Sun Bandit
 MODEL: SBES-80EU-400
 SYSTEM TYPE: ICS, Direct
 CERTIFICATION #: 30004167
 Original Certification: November 16, 2015
 Expiration Date: November 16, 2020

ENERGY STAR[®] certified
 In Accordance with:
SRCC Standard 300-2014-07
 Energy Star Certified in accordance with:
EPA Water Heater Specification 2.0

The solar system listed below has been evaluated by the Solar Rating & Certification Corporation™ (SRCC™), an ISO/IEC 17065 accredited and EPA recognized Certification Body, in accordance with SRCC OG-300, Operating Guidelines for Certifying Solar Water Heating Systems, and has been certified by the SRCC. This award of certification is subject to all terms and conditions of the Program Agreement and the documents incorporated therein by reference. This document must be reproduced in its entirety.

Description: Unglazed Flat Plate, -46 °C -50 °F, Electricity, UL listed electric tank, Other, Tank high limit

Single-day Rating		SINGLE DAY RATING CONDITIONS		SI Units	Inch-Pound Units
Solar Energy Factor (SEF _D)	Solar Fraction (SF _D)	System Set Temperature	57.2 °C	135 °F	
2.7	0.66	Environmental Temperature	19.7 °C	67.5 °F	
Single-day Rating Conditions: SEF _D = Solar Energy Factor (info link) SF _D = Solar Fraction (info link)		Ambient Temperature Profile Average	14.4 °C	58 °F	
		Water Mains Temperature	14.4 °C	58 °F	
		Delivered Load	43.3 MJ/day	41,045 Btu/day	
		Solar Irradiance	4,733 Wh/m ² -day	1,500 Btu/ft ² -day	



Storage Tank(s)	
Solar Tank Vol (l)	Solar Tank Vol (gal)
303	80
Approximate Collector Area: 15.5 m ² , 166.8 ft ²	

The solar water system listed here has been certified by the SRCC as meeting the minimum standards for testing, installation, operation, maintenance, performance, reliability and safety as specified in SRCC Document OG-300. Thermal performance ratings are based on the successful durability and performance testing of a sample collector, where said tests have been conducted by an independent laboratory approved and listed by the SRCC. The system has been modeled using the computer simulation program TRNSYS to calculate the ratings.

Before the Supplier can make any change in design, materials, specifications, parts, or construction, the change(s) must be reported to the SRCC for evaluation of continued certification.

REMARKS:

Shawn Martin
 Technical Director

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 Please verify certification is active on the SRCC website.
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Only the following options for the collector array are approved:

Option	Collector Panel Manufacturer	Collector Panel Request Number	Collector Panel Model Number	Collector Panel Name	Quantity	Total Panel area(m ²)	Total Panel area(ft ²)
1	Next Generation Energy, LLC	10001952	SBES-Collector Model A	Sun Bandit	2	15.50	166.84

Option	Collector Panel Manufacturer	Collector Panel Request Number	Collector Panel Model Number	Collector Panel Name	Quantity	Total Panel area(m ²)	Total Panel area(ft ²)
2	Next Generation Energy, LLC	10002040	SBES-Collector Model B	Sun Bandit	2	15.50	166.84



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