



SOLAR RATING & CERTIFICATION CORPORATION

CERTIFIED SOLAR COLLECTOR

SUPPLIER:
Next Generation Energy, LLC
 75 Waneka Parkway
 Lafayette, CO 80026 USA
 www.ngeus.com
 In Accordance with:
SRCC Standard 100-2014-07

BRAND: Sun Bandit
 MODEL: SBES-Collector Model B
 COLLECTOR TYPE: Unglazed Flat Plate
 CERTIFICATION #: 10002040
 Original Certification: February 17, 2017
 Expiration Date: February 03, 2027

The solar collector 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-100, Operating Guidelines and Minimum Standards for Certifying Solar Collectors, 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.

COLLECTOR THERMAL PERFORMANCE RATING (Collector Tested per TM-1)							
Kilowatt-hours (thermal) Per m ² Per Day				Thousands of Btu Per ft ² Per Day			
Climate ->	High Radiation (6.3 kWh/m ² .day)	Medium Radiation (4.7 kWh/m ² .day)	Low Radiation (3.1 kWh/m ² .day)	Climate ->	High Radiation (2000 Btu/ft ² .day)	Medium Radiation (1500 Btu/ft ² .day)	Low Radiation (1000 Btu/ft ² .day)
Category (Ti-Ta)				Category (Ti-Ta)			
A (-5 °C)	0.0	0.0	0.0	A (-9 °F)	0.0	0.0	0.0
B (5 °C)	0.0	0.0	0.0	B (9 °F)	0.0	0.0	0.0
C (20 °C)	0.8	0.6	0.4	C (36 °F)	0.2	0.2	0.1
D (50 °C)	0.0	0.0	0.0	D (90 °F)	0.0	0.0	0.0

A- Pool Heating (Warm Climate) B- Pool Heating (Cool Climate) C- Water Heating (Warm Climate)
 D- Space & Water Heating (Cool Climate) E- Commercial Hot Water & Cooling

COLLECTOR SPECIFICATIONS					
Gross Area:	7.750 m ²	83.42 ft ²	Dry Weight:	55.2 kg	121.7 lb
Net Aperture Area:	6.864 m ²	73.88 ft ²	Fluid Capacity:	115.0 liter	30.4 gal
Absorber Area:	6.864 m ²	73.88 ft ²	Test Pressure:	0 kPa	0 psi

TECHNICAL INFORMATION		Tested in accordance with: TM-1
ISO Efficiency Equation [NOTE: Based on gross area and (P)=Ti-Ta]		
SI UNITS:	η=	
IP UNITS:	η=	

Incident Angle Modifier								Test Fluid:	Electricity	
θ	10	20	30	40	50	60	70	Test Mass Flow Rate:	0.0000 kg/(s m ²)	0.00 lb/(hr ft ²)
Kτα	1.00	0.99	0.99	0.97	0.94	0.90	0.81	Impact Safety Rating: 11		

REMARKS: The rating page for this collector is located here: http://solar-rating.org/ratings/pwwh_10001952.pdf

Shawn Martin
 Technical Director

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 Please verify certification is active on the SRCC website.
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