



ASEC-205G6S

205 Watt Photovoltaic Module



CERTIFICATIONS

- IEC 61215
- IEC 61730

FEATURES

- High efficiency module using 6" monocrystalline solar cells (156 X156mm).
- 54 solar cells and connection in series.
- 14.57% High module conversion efficiency.
- High reliable schottky bypass diode minimizes power drop by shade.
- Using optical low iron tempered anti-reflective glass, EVA laminate and weatherproof back-sheet provide protection in the severe conditions of environment.
- Robust, Clear anodize aluminum frame protected.

SUPERIORITY

- Designed for optimum use in residential and Commercial grid-tied applications.
- Bad weather withstand Junction BOX 、 crosslink cable and low connection losses connectors.

QUALITY ASSURANCE

- Utilizing advanced technology and automatic production.
- Complete test : Hot-spot endurance 、 Insulation 、 Outdoor exposure 、 UV preconditioning 、 Humidity-freeze 、 Damp heat 、 Thermal cycling 、 Robustness of terminations 、 Wet leakage current 、 Loading 、 Hail impact.
- Manufactured in ISO 9001 : 2008 certified facility.

WARRANTY

- 12-year of 90% power output
- 25-year of 80% power output
- 5-year of materials and workmanship

Page 1 of 2	
App.No.	097027

PRODUCT SPECIFICATIONS

ASEC-205G6S

ELECTRICAL CHARACTERISTICS

Maximum Power (Pmax)	205 W
Maximum Power Voltage (Vpm)	25.87 V
Maximum Power Current (Ipm)	7.93 A
Open Circuit Voltage (Voc)	33.64 V
Short Circuit Current (Isc)	8.32 A
Module Efficiency (η_m)	14.57 %
Temperature Coefficient of Pmax	-0.5028 %/K
Temperature Coefficient of Voc	-0.3313 %/K
Temperature Coefficient of Isc	0.03456 %/K
Series Fuse Rating	11A
Maximum System Voltage	DC1000 V
NOCT	43°C

※Measured at Standard Test Condition (STC):

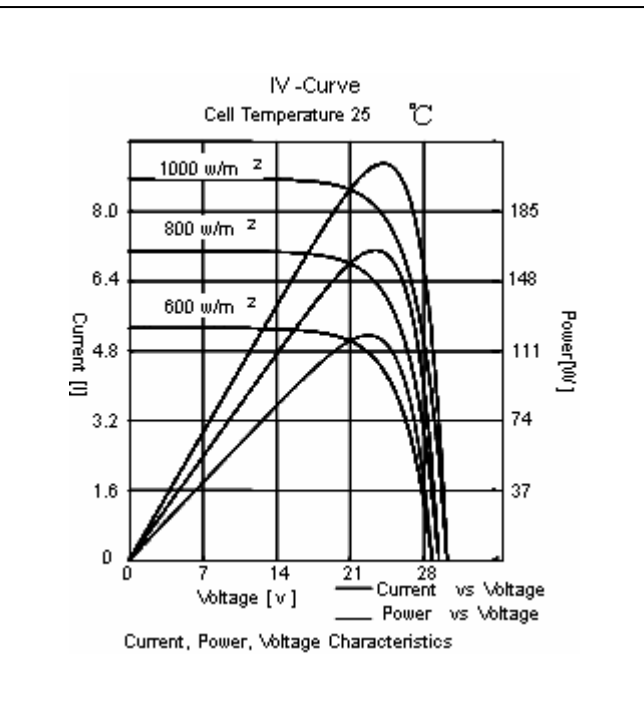
Irradiance of 1000 W/m², Air Mass 1.5g, and Cell Temperature 25°C

※Normal Operating Cell Temperature(NOCT):

Irradiance of 800 W/m², Temperature 25°C, Wind speed 1m/s

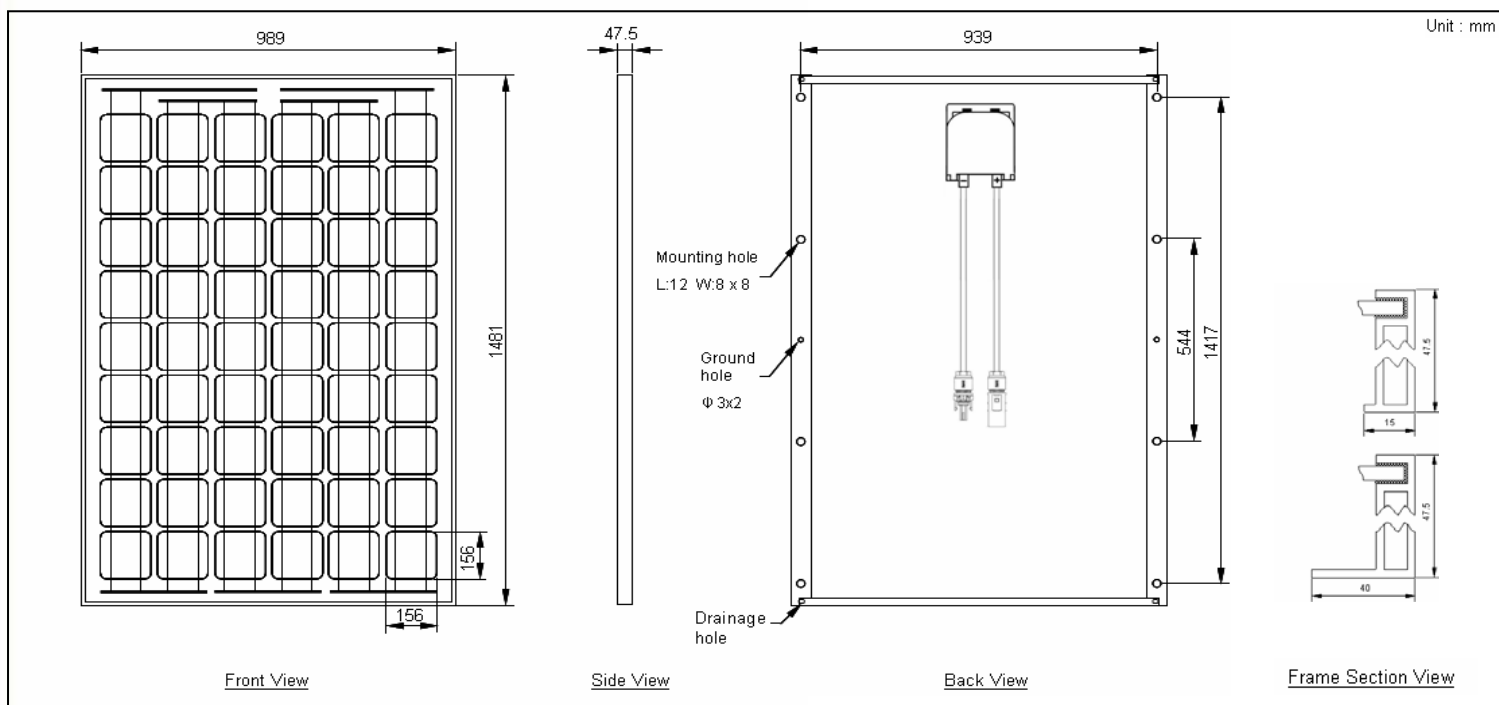
MECHANICAL CHARACTERISTICS

Cell Configuration	54 in series
Cable Length	1000 mm
Dimensions	1481x989x47.5mm
Weight	17.2 kg



QUALIFICATION TEST CONDITIONS

Temperature Cycling Range	-40°C to +85°C
Static Load Front and Back	50 psf (2400Pa)
Hailstone Impact	25mm hail at 23m/s



Note: Design and specifications are subject to change without notice.

This document is the exclusive property of ASEC and shall not be reproduced or copied or transformed to any other format without prior permission of ASEC.

This product specification is confirmed by client:



Apollo Solar Energy Co., Ltd.
No. 65-11, Jiu-Tsuo Liao, Wuhan Village,
Longtan Township, Taoyuan County 32548,
Taiwan

TEL: 886-3-4798538
FAX: 886-3-4798569
Website: www.asectw.com
E-mail: sales@asectw.com

Client Confirmed

Page 2 of 2	
App.No.	097027

ASEC 2009/06