



# Certificate of Compliance

**Certificate:** 70089335

**Master Contract:** 267913

**Project:** 70162428

**Date Issued:** 2017-11-14

**Issued to:** GermanSolar USA Inc.  
701 Palomar Airport Road Ste.: 300 Carlsbad,  
CA 92109  
U.S.A  
**Attention:** Georg Eversheim

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



**Issued by:** Tom Yang  
Tom Yang

## **PRODUCTS**

CLASS - C531110 - POWER SUPPLIES-Photovoltaic Modules and Panels

CLASS - C531190 - POWER SUPPLIES-Photovoltaic Modules and Panels - Certified to US Standards

Photovoltaic Modules with maximum system voltage of 600 V dc, and Module Fire Performance Type 4 (for US) or Class C fire rating (for Canada).

Models GSP6-36-5W, GSP6-36-10W, GSP6-36-20W, GSP6-36-30W, GSP6-36-40W, GSP6-36-50W, GSP6-36-60W, GSP6-36-70W, GSP6-36-80W, GSP6-36-90W, GSP6-36-100W, GSP6-36-120W, GSP6-36-150W, GSP6-36-160W, GSM6-36-50W, GSM6-36-80W, GSM6-36-100W, GSM6-36-160W, GSM6-36-180W, The electrical ratings as listed below at STC.

Model	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
GSP6-36-5W	21.80	0.31	18.10	0.28	5
GSP6-36-10W	21.80	0.62	18.10	0.55	10
GSP6-36-20W	22.00	1.20	18.20	1.10	20
GSP6-36-30W	22.10	1.75	18.20	1.65	30
GSP6-36-40W	22.00	2.37	18.20	2.20	40



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Model	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
GSP6-36-50W	22.30	2.80	18.90	2.65	50
GSP6-36-60W	22.00	3.56	18.20	3.29	60
GSP6-36-70W	22.00	4.15	18.20	3.85	70
GSP6-36-80W	22.00	4.75	18.20	4.40	80
GSP6-36-90W	22.30	5.04	18.90	4.76	90
GSP6-36-100W	22.30	5.60	18.90	5.29	100
GSP6-36-120W	22.00	7.12	18.20	6.60	120
GSP6-36-150W	23.04	8.78	19.10	8.12	150
GSP6-36-160W	23.25	8.96	19.10	8.38	160
GSM6-36-50W	22.40	2.76	18.00	2.60	50
GSM6-36-80W	22.90	4.51	18.40	4.34	80
GSM6-36-100W	22.40	5.95	18.00	5.60	100
GSM6-36-160W	23.44	8.83	19.48	8.22	160
GSM6-36-180W	23.65	9.47	20.19	8.93	180

Notes:

1. Rated electrical characteristics are within +/-10% of measured values at Standard Test Conditions of 100 mW/cm<sup>2</sup> irradiance, AM 1.5 spectrum, and 25° C.
2. For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

**APPLICABLE REQUIREMENTS**

- ULC/ORD- C1703-01 - Flat-Plate Photovoltaic Modules and Panels
- UL 1703-3<sup>rd</sup> Edition - Flat-Plate Photovoltaic Modules and Panels



## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70162428	2017-11-14	Update report to add model GSP6-36-160W and GSM6-36-180W for the same materials combination as approved models in the report, update the fire rating including Canadian requirement, update report including the new Factory Dielectric Voltage Withstand Test and Factory Wet Insulation-Resistance Test as the standard updating on 2017-09-13.
70089335	2017-01-23	CSA C/US Certification for PV Modules by German Solar, Models GSP6-36-5W, GSP6-36-10W, GSP6-36-20W, GSP6-36-30W, GSP6-36-40W, GSP6-36-50W, GSP6-36-60W, GSP6-36-70W, GSP6-36-80W, GSP6-36-90W, GSP6-36-100W, GSP6-36-120W, GSP6-36-150W, GSM6-36-50W, GSM6-36-80W, GSM6-36-100W, GSM6-36-160W.