



# Gloria Solar Co., Ltd.

5th Floor, Building C, No. 3, Nanke 7th Rd.,

Sinshih Township, Tainan county 74144 Taiwan

TEL : +886-6-5059500-5201 FAX : +886-6-5057100

Version:1.0

Model Name	
GSS5-180A-U01	

STANDARD TEST CONDITIONS (STC)		
AM condition	AM1.5	
Intensity of illumination	1000	W/m <sup>2</sup>
Temperature	25	°C

ELECTRICAL CHARACTERISTICS		
Wp	180	W
Optimum Operating Voltage	36.0	V
Optimum Operating Current	5.0	A
Open Circuit Voltage	45.0	V
Short Circuit Current	5.33	A
NOCT (Nominal Operating Cell Temperature)	47	°C
Power Tolerance	±3	%
Module Efficiency	13.97	%
coefficient of voltage (β)	-0.313±0.015%/°C	
coefficient of current (α)	0.07±0.015%/°C	
coefficient of power (γ)	-0.41±0.05%/°C	

MECHANICAL CHARACTERISTICS			
Dimension	Length	1599	mm
	Width	806	mm
	Thickness	40	mm
Weight	15.8		kgs
Packing	15		Pcs/Carton
Dimension of carton	1640 x 710 x 825		mm
Gross Weight of carton+Pallet	277		Kg
Loading for 20 feet container	270	18Pallet,1Cartons/Pallet	
Loading for 40 feet container	630	42Pallet,1Cartons/Pallet	

ABSOLUTE MAXIMUM RATINGS		
Operating temperature	-40~+90	°C
Storage temperature	-40~+90	°C
Maximum system voltage	1000	VDC

## Blueprint With Dimension

