

ASEC-18G5S

Monocrystalline Silicon Photovoltaic Module

Certification:

- **ISO 9001**



FEATURE:

- **High power module using 5" monocrystalline solar cell.**
- **Bypass diode is attached minimize power reduction caused by shade.**
- **72 solar cells and connection in series.**
- **Using optical low iron tempered glass, EVA resin, module with aluminum frame for outdoor use.**

ELECTRO-OPTICAL CHARACTERISTICS

P/N		ASEC-18G5S			
Parameters	Symbol	Min	Typ	Unit	Condition
Maximum poewr	Pmax	171	180	W	Irradiance: 1000W/m ²
Maximum power voltage	Vpm	36.58	37.29	V	
Maximum power current	Ipm	4.70	4.85	A	
Open circuit voltage	Voc	44.64	44.93	V	Module Temperature 25°C
Short circuit current	Isc	5.15	5.19	A	
Module efficiency	ηm	13.5	14	%	

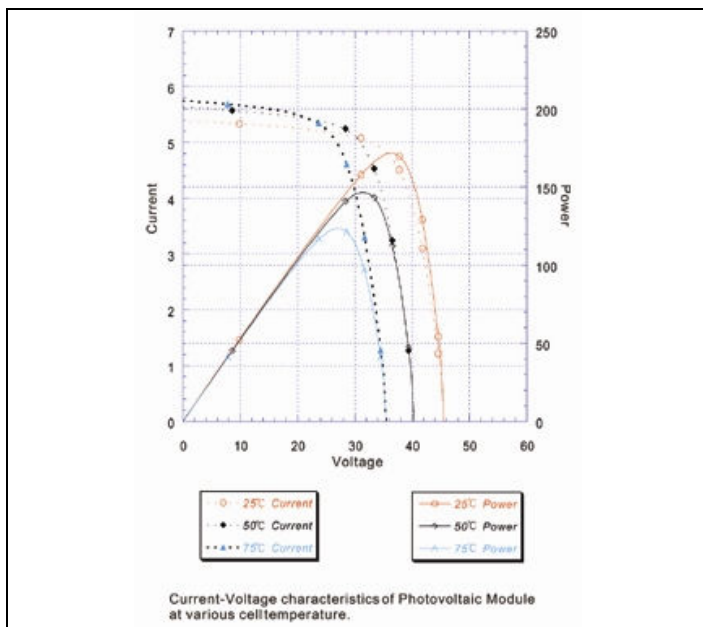
SPECIFICATIONS

No. of cells and connections	72 in series
Application	DC 24V system
Maximum system voltage	DC 600V
Series fuse rating	10A
Maximum power	180 W
Dimensions	1580x808x47.5mm
Weight	17kg
Performance tolerance	5%

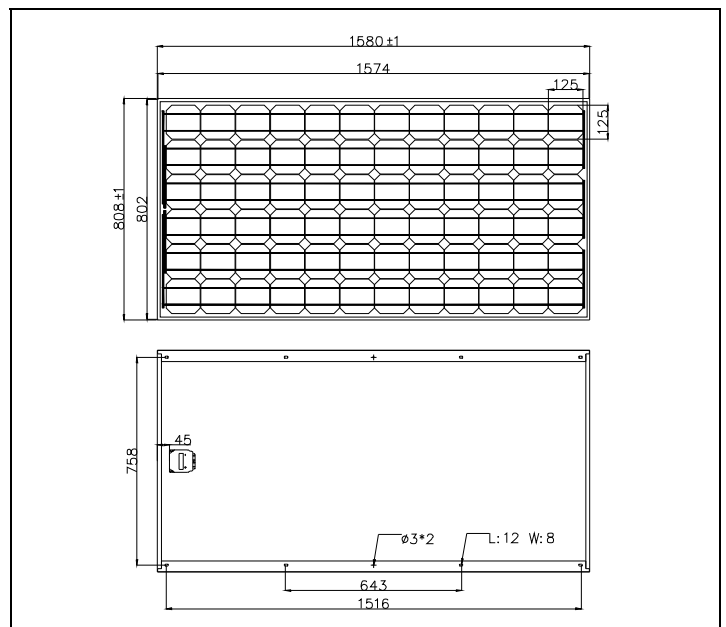
ABSOLUTE MAXIMUM RATINGS

Parameters	Rating	Unit
Operating temperature	-40 to +90	°C
Storage temperature	-40 to +90	°C
Dielectric voltage withstood	2200 max	V-DC

CHARACTERISTICS



OUTLINE DIMENSIONS



Specifications are subject to change without notice.



Apollo Solar Energy Co., Ltd.