



# FRP Series Solar Modules

## Product Specifications

IP5F IP10F IP20F  
IP30F IP50FF

### Product Description

Innergy Power produces both lightweight fiberglass (FRP) and tempered glass solar modules ranging from 5W to 50W capacities. The five modules listed below are targeted at 12VDC power sources and are used in applications such as logistics tracking, asset management systems, off-grid lighting, mobile communications, mobile computing, recreational vehicles, gate openers, water pumps, signaling devices and surveillance cameras.



### Specifications

	IP5F	IP10F	IP20F	IP30F	IP50FF
<b>Typical Electrical Characteristics</b>					
Maximum Power (Pmax)	4.53W	10.03W	20.24W	30.24W	51.46W
Voltage at Pmax (Vmp)	16.8V	17.3V	17.3V	17.3V	16.8V
Short-circuit current (Isc)	.310A	.634A	1.28A	2.20A	3.5A
Open-circuit voltage (Voc)	19.8V	19.8V	19.8V	19.8V	19.8V
Current Max (IPmax)	.270A	.580A	1.17A	1.80A	3.1A
Cell Type	Multicrystal	Multicrystal	Multicrystal	Multicrystal	Multicrystal
Substrate	FRP	FRP	FRP	FRP	FRP
<b>Mechanical Characteristics</b>					
Dimensions	13"x 13"x 7/32"	13"x 25"x 7/32"	17"x 26"x 7/32"	17 5/8"x 35"x 7/32"	17.5"x 43"x 15/16"
Weight	0.57 lbs.	2.0 lbs.	3.5 lbs.	4.4 lbs.	12.0 lbs.

Note: Above specifications @ 1000 watts/m2 solar irradiance at 25°C. Specifications subject to change without notice.