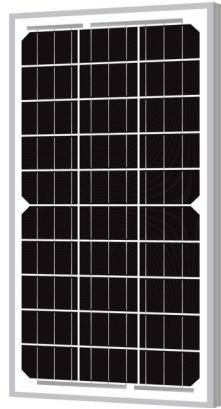




*Kingfisher Company, inc.*

## 20W Solar Cell Kit



### **Description:**

The Kingfisher 91180 20W Solar Cell Kit comes complete with a built-in blocking diode, a 20' UV resistant output cable, and pole mounting bracket.

KCi's solar panels utilize monocrystalline cell technology for high efficiency and are rated for a wide operating temperature range. The anodized aluminum frame provides for easy mounting to the mounting brackets and also offer full protection for years of continued charging.

### **Features:**

- 20W/12V monocrystalline solar panel
- High-performance cells encapsulated in EVA (ethylene-vinyl-acetate)
- Nominal 12V DC for standard output
- Wide operating temperature range
- Heavy-duty anodized frame with pre-drilled holes for mounting
- Rugged design to withstand high winds (2400Pa), hail and snow load (5400Pa)
- High-transparent, low iron tempered glass
- Durable TPT back sheet - dissipates heat to insure better panel performance and lifespan
- Includes pole mounting bracket

## Specifications:

Size:	12.0" X 15.55" X .91"
Cable Length/Type:	20' SJ-TW
Temperature Range:	-40°C to +85°C
Listings:	CE
Cells:	Monocrystalline Silicon
Solar Cells Grade:	Class A High Efficiency



KCi #91180  
Solar Cell Kit, 20W  
With Mounting Bracket

Electrical Characteristics		
Typical Data At STC		
		SCBC
Rated Power	W	20W
Peak Power Voltage	V <sub>mpp</sub>	19.08V
Peak Power Current	I <sub>mpp</sub>	1.05A
Open Circuit Voltage	V <sub>oc</sub>	22.35V
Short Circuit Current	I <sub>sc</sub>	1.12A
Temperature Coefficient of Voc		-0.36%/K
Temperature Coefficient of I <sub>sc</sub>		+0.07%/K
Temperature Coefficient Of Power		-0.38%/K
NOCT (Air 20°C; Sun 0.8kW/m <sup>2</sup> Wind 1m/s)		45±2°C

## ORDERING INFORMATION

KCi #	Model #	Description
91180		Solar Cell Kit, 20W w/ Mounting Bracket
50068		1/2" Stainless Steel Support Banding
50067		1/2" Stainless Steel Buckle for Support Banding
50210		1/2" Stainless Steel Banding Clamp
91180-DTS		Specification Data Sheet

Kingfisher Company, inc., products must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with their installation instructions at the time of installation and at least twice a year or more often and in accordance with local, state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations, laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ).

NOTE: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Kingfisher Company, inc., standard terms and conditions

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