

# KS20A

## HIGH EFFICIENCY MULTICRYSTAL PHOTOVOLTAIC MODULE Nominal Peak Power - 20 Watts

### HIGHLIGHTS OF KS20A MODULE

Kyocera's advanced cell processing technology, together with its manufacturing processes, has produced a highly efficient multicrystal photovoltaic module.

High conversion efficiency solar cell.

The module cover is made from low-iron tempered glass.

These cells are encapsulated in EVA material to increase resistance to humidity and other severe environmental conditions.

Kyocera modules are framed in anodized aluminium to provide structural strength and easy installation.

### APPLICATIONS

- Village electrification
- Electrification of remote homes and schools
- Power for medical facilities, security posts and community centres
- Water pumping systems and desalination systems
- Warning lights, traffic systems and railroad signals
- Telecommunications, radios, sensing and signalling equipment
- Battery charging for boats, caravans, motor homes, etc.
- Pipeline monitoring and cathodic protection systems

### TECHNICAL SPECIFICATIONS

#### Physical Characteristics

Quantity of Cells	36
Length	635 mm $\pm$ 2
Width	352 mm $\pm$ 2
Thickness	22 mm
Weight	2,80 Kg

#### Electrical Characteristics

Maximum Power	20,00 Watts $\pm$ 10%
Maximum Power Current	1,29 Amps
Maximum Power Voltage	15,50 Volts
Short-Circuit Current	1,48 Amps
Open Circuit Voltage	21,00 Volts

Note: The electrical specifications are under test conditions of irradiance of 1kW/m<sup>2</sup>, spectrum of 1.5 air mass and cell temperature of 25°C.

### QUALITY ASSURANCE

Kyocera multicrystal photovoltaic modules exceed international specifications for the following tests:

- Thermal cycling test
- Thermal shock test
- Thermal/Freezing and high humidity test
- Electrical isolation test
- Hail impact test
- Mechanical, wind, and twist loading test
- Salt mist test
- Light and water exposure test

**Kyocera Solar Argentina S.A. reserves the right to modify these specifications without notice.**

**Module is assembled in Argentina from cells made in Japan.**

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