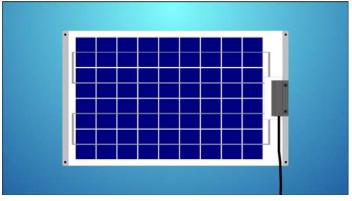
Technical Description



Photovoltaic Module NP22RSS Product Code: 16122



36 polycrystalline Si solar cells Main application: boat deck PV systems

Module Electrical Performance under Standard Test Conditions

Refers to standard test conditions of 1000 Wm⁻² solar irradiance, 25°C cell temperature, Air Mass 1.5. Note: Maximum power point is subject to +10%/-5% variation. All other values are typical and for guidance only. Maximum Power Point: 22 Watts, 1.25 Amps at 17.6 Volts. Short Circuit: 1.37 Amps. Open circuit: 22.0 Volts.

Dimensions and Weight		all dimensions +/- 2mm, weight approximately +/-0.3kg	
Length: 596mm.	Width: 357mm.	Thickness at edge: 3.67mm.	Weight: 3.1kg

Construction

Top cover material: Tefzel Encapsulant (lamination material): EVA 2 factory-fitted bypass diodes cable 2m Rear cover material: St.Steel1.5mm Frame: no 1 junction box type hat

Integral mounting holes	Along length: 582mm centre to centre, 7mm centre to module edge.
4 holes, size 5.5mm.	Across width: 337mm centre to centre, 10mm centre to module edge.

Cell circuitCut from full size cells into 1/6 of a cellCell dimensions: Length (tab direction) 52mm. Width: 78mm.Electrical circuit: 36 cells in seriesCell layout: 4 rows, each row is 9 cells long.

Normal Operating Cell Temperature (NOCT)

45°C error in measurement around +/- 2°C Cell temperature at 800Wm⁻² solar irradiance, 20°C ambient temperature, wind speed <=1ms⁻¹, free air access to rear.

Efficiencies based on Standard Test Conditions Rating

Module: 10.3% Laminated area: 10.9% Cells alone: 15.1% Note: Standard Test Conditions efficiency figures should only be used to compare one module with another. These efficiency figures do not apply to actual field perfomance, for which a careful analysis of operating conditions is necessary to determine the effects of module temperature and other factors.

> Specifications may change due to Naps policy of continuous product improvement. Please check current specification before purchasing. Information last updated: 26-Nov-10