

Value Line Series (VLS) - 50W Panel

The Value Line Series (VLS) family of solar modules, offered by Ameresco Solar, is a reliable, rugged, and economic panel engineered for off-grid solar applications. The VLS line offers the rugged and reliable construction, materials, and performance.



The VLS-50W Panel features:

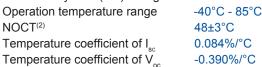
Rugged construction, precision engineering and quality components

Tempered glass, EVA lamination and weatherproof backskin that fosters long-life and enhanced cell performance

Manufactured according to International Quality and Environment Management System (ISO9001, ISO14001)

ELECTRICAL CHARACTERISTICS CERTIFICATIONS

Maximum power (P_{max})⁽¹⁾ Tolerance (P_{max}) ±5% Open circuit voltage (V_{oc}) 22.3V Maximum power voltage (V_{mp}) 18.0V Short circuit current (I_{sc}) 3.03A Maximum power current at (I_{mp}) 2.78A Maximum system (DC) voltage 80V



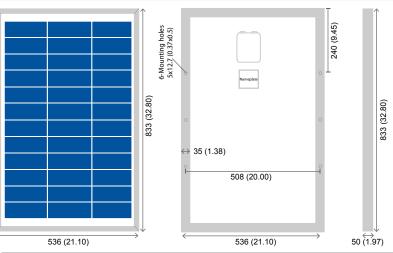
- 1. Values at Standard Test Conditions (STC): 1000W/m² irradiance, AM 1.5 solar spectrum and 25°C module temperature 2. Nominal Operation Cell Temperature: Module operation temperature at 800W/m² irradiance, 20°C air temperature, 1m/s

MECHANICAL CHARACTERISTICS

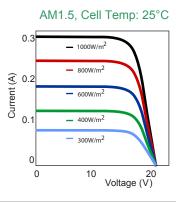
833 × 536 × 50mm / 32.80 × 21.10 × 1.97in Dimensions

Weight 5.2kg / 11.5lbs

DIMENSIONS



IV CURVES



Irradiance: AM1.5, 1KW/m

■ 25°C __ 75°C Voltage (V)

Photographs are intended to portray typical module appearance, actual module appearance may vary. Diagrams may not be proportionate and are intended for illustrative purposes only. 02/02/14

Offered by Ameresco Solar

PH 1-855-43-SOLAR

www.amerescosolar.com

