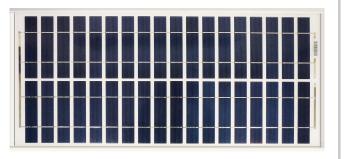
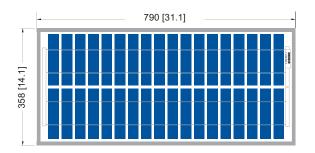


Value Line Series (VLS) 30W Panel - VLS-30 and VLS-30C

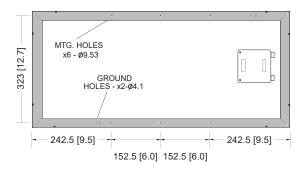
The Value Line Series (VLS) family of solar modules, offered by Ameresco Solar, is a reliable, rugged, and economic panel engineered for off-grid solar applications.

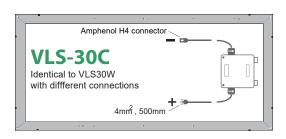


DIMENSIONS









Dimensions in mm [in].

Electrical characteristics

(1) STC 1000W/m ²	(2) NOCT 800W/m ²
30W	22W
18.2V	16.3V
1.65A	1.32A
1.75A	1.43A
22.1V	20.0V
10.5%	
	30W 18.2V 1.65A 1.75A 22.1V

Efficiency reduction at 200W/m² <5% reduction (efficiency 10%)

1: Values at Standard Test Conditions (STC): 1000W/m² irradiance, AM1.5 solar spectrum and 25°C module temperature 2: Values at 800W/m² irradiance, Nominal Operation Cell Temperature (NOCT) and AM1.5 solar spectrum 3: Nominal Operation Cell Temperature: Module operation temperature at 800W/m² irradiance, 20°C air temperature, 1m/s wind speed

Mechanical characteristics

Solar cells 36 crystalline silicon cells in series
Front cover High transmission 3.2mm (1/8th in) glass

Encapsulant EVA

Back cover White polyester

Frame Silver anodized aluminum

Junction box IP65 with 4 terminal screw connection block; accepts

PG 13.5, M20 13mm (1/2") conduit, or cable fittings

Cable (-C) 500mm, PV1-F/PV Wire, 4mm2/12AWG,DO:6±0.2mm

Connector (-C) Amphenol H4

Dimensions 790 x 358 x 50mm / 31.1 x 14.1 x 2in

Weight 3.9kg / 8.6lbs

All dimensional tolerances within ±1% unless otherwise stated.

Warranty*

- ▶ Free from defects in materials and workmanship for 2 years
- ▶ 90% minimum power output over 10 years

Certification

ISO 9001 ISO 9001 factory certification ensures that our

manufacturing facilities use proven manufacturing and quality

control processes.

^{*} Refer to warranty document for terms and conditions.