

LEC300

Product Specifications
PS-LEC300-01/01-220816

General

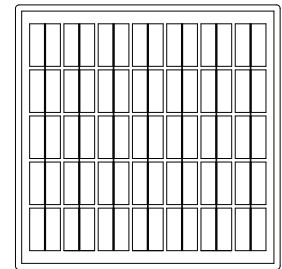
Product Name	Photovoltaic Module (PV Module)
Product Type	LEC300
Product Description	High Efficiency Multi Crystalline Photovoltaic Module for solar home system applications



Electrical Details

Electricity Generation Capacity	336 kJoule/day @ 4.5 Sun Hours
Maximum Energy Rating (Pmax)	20.7 Wp
Cell Efficiency	17.4%
FF	+/- 75%
Tolerance	+/- 5%
Total Cell	35 Cell
Maximum Power Voltage (Vmp)	17.30 V
Maximum Power Current (Imp)	1.20 A
Open Circuit Voltage (Voc)	21.0 V
Short-Circuit Current (Isc)	1.35 A
Maximum System Voltage (Vmax)	600 V

FRONT VIEW



Thermal Parameters

Nominal Operating Cell Temperature	40°C to 90°C
Isc Current Temperature Coefficient	(1.33 x 0.001) A/°C
Voc Voltage Temperature Coefficient	(-8.21 x 0.01) V/°C

Note: The electrical specifications are under test conditions of Irradiance of 1kW/m², spectrum of 1.5 air mass and cell temperature of 25°C

Mechanical Details

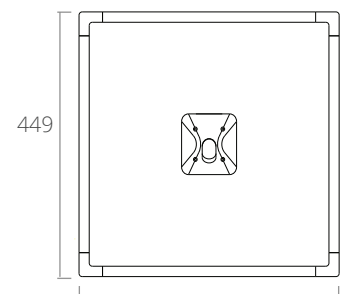
Frame Materials	Anodized Aluminium
Product Dimensions (LxWxH)	449 x 449 x 65 mm
Nett Weight	2.40 kg

SIDE VIEW



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BACK VIEW

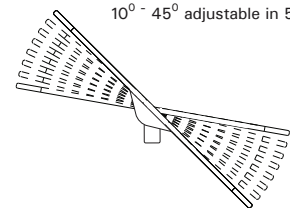


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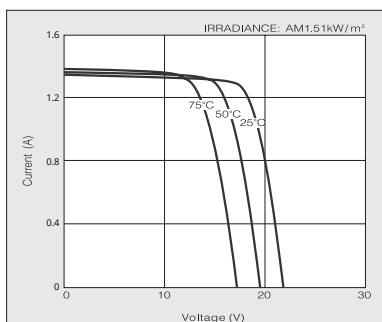
Certifications

Complies with	IEC 61215
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10° - 45° adjustable in 5° steps



Current-Voltage characteristics of Photovoltaic Module LEC300 at various cell temperatures



Current-Voltage characteristics of Photovoltaic Module LEC300 at various irradiance levels

