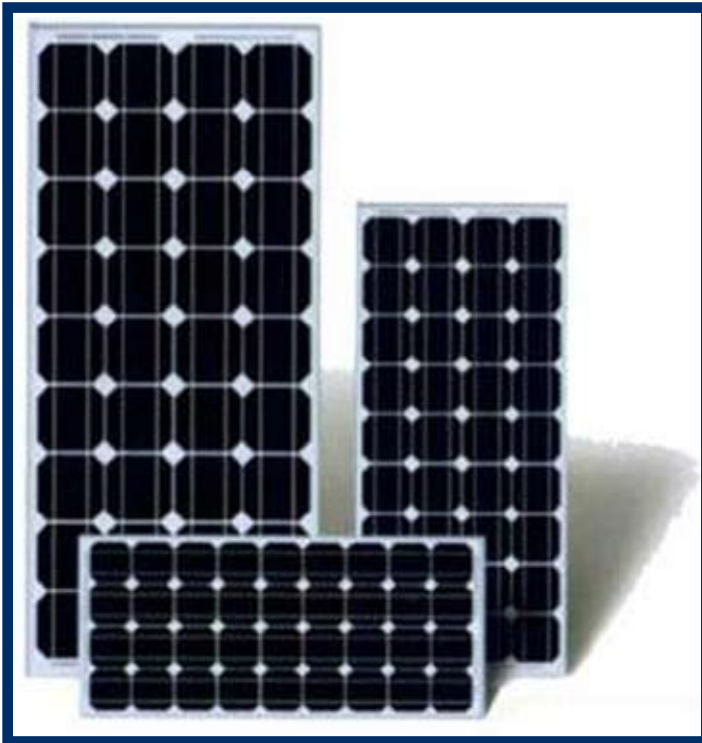


SERIE LMV • SOLAR PANELS



LMV photovoltaic modules are produced under tightly controlled process with best components and materials.

The silicon solar cells have the following advantages: high efficiency, high output, high reliability and are pollution-free.

The LMV solar modules have an excellent performance.

The high efficiency of the LMV solar modules is particularly designed for applications which need maximum energy generation.

Features

- These modules consist of solar cells with high conversion efficiency.
- Circuit laminated between sheets of Ethylene Vinyl Acetate (EVA) for better resistance to humidity.
- Hard sheet of polymer Tedlar (TPT), resistant to snags, punctures and abrasion.
- Shock resistant, with reinforced glass with high transmission of light.
- Framework aluminum alloy treated for corrosion.
- Connections sealed box.
- Built with certified to the 9001:2000 standard.

Technical specifications

		LMV5W-L	LMV10W-M	LMV20W-M	LMV55W-M	LMV85W-M
Max. Power	W	5	10	20	55	85
Max. Voltage (Vmp)	V	18.2	18	17.02	17.44	19.56
Max. Power Intensity (Imp)	A	0.29	0.56	1.2	3.16	4.35
Short-Circuit Current (Isc)	A	0.32	0.62	1.34	3.39	4.65
Open-Circuit Voltage (Voc)	V	22	22	21	20.9	23.99
N° cells		36	34	34	36	36
Type of cells		Polycrystalline	Monocrystalline	Monocrystalline	Monocrystalline	Monocrystalline
Length (mm)	mm	254.5	356	621	857	1,177
Width (mm)	mm	220	302	281	535	532
Thickness (mm)	mm	6	28	28	28	28
Frame		No	Anodised aluminium	Anodised aluminium	Anodised aluminium	Anodised aluminium
Weight	kg	0.5	1.5	2.5	5.5	9

*STC: Standard Test Conditions 1,000 W/m² irradiance, 25 °C Cell temperature, spectrum AM 1.5

NOCT: Nominal Operating Cell Temperature Conditions 45 °C ±2

EVA: 0.5 mm

TPT: 0.3 mm

