

# SPV MODULES



## FEATURES

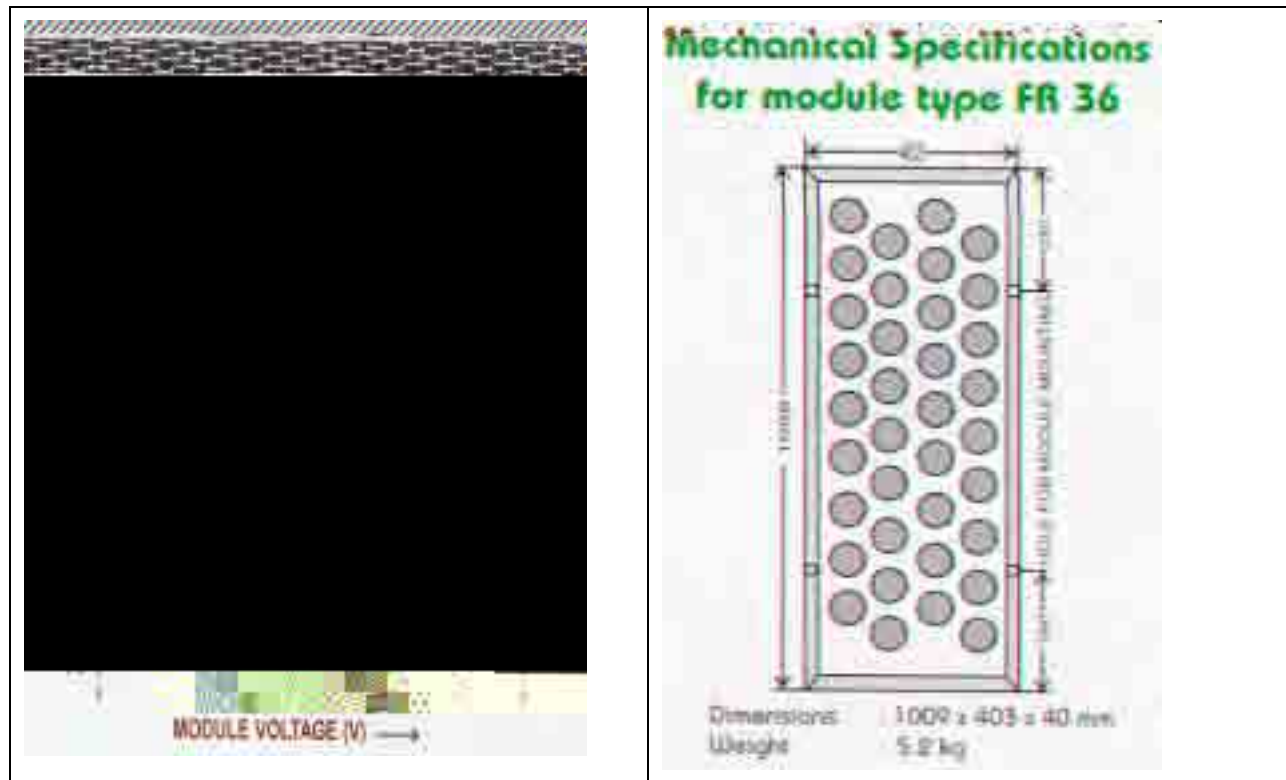
- High efficiency monocrystalline Silicon Solar Cells connected in series.
- Lamination using TEDLAR, Crane glass and EVA provides environmental protection.
- Solar cells laminated between UV resistant polymer (EVA) and high transmittivity toughened glass surface.
- Rugged weatherproof nylon terminal box for output connections.
- Anodized aluminum frame provides structural support for mounting and shock resistance.
- Manufactured to stringent quality standards and tested to withstand adverse environmental conditions.
- REIL Photovoltaic modules are approved by SEC, DoT and RDSO.

## APPLICATIONS

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| <ul style="list-style-type: none"><li>• Domestic lighting systems</li><li>• Street lighting</li><li>• Water pumping</li><li>• Battery charging</li><li>• Community TV system</li><li>• Microwave repeater station</li><li>• Railway signalling and lighting systems</li><li>• Rural radio phones and exchanges</li></ul> | <ul style="list-style-type: none"><li>• Offshore platforms</li><li>• Desalination plants</li><li>• Cathodic protection systems</li><li>• Portable lantern</li><li>• Power pack for village electrification</li><li>• Crop sprayer</li><li>• Sign boards &amp; Glow-signs</li></ul> |
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## TYPES OF MODULES

MODULE TYPE	6W8	10W36	12W36	35FR36	38FR36	40FR36	50W36	70W36
Peak Power Output Watt ( <b>Wp</b> )	6	10	12	35	38	40	50	70
Current at Peak Power Output Amp ( <b>I<sub>max</sub></b> )	1.85	0.60	0.73	2.13	2.29	2.38	2.94	4.12
Voltage at Peak Power Output Volt ( <b>V<sub>max</sub></b> )	3.2	16.4	16.4	16.4	16.6	16.8	17.0	17.0
Short Circuit Current Amp ( <b>I<sub>sc</sub></b> )	2.1	0.8	0.9	2.40	2.55	2.60	3.4	4.3
Open circuit Voltage Volt ( <b>V<sub>oc</sub></b> )	4.5	21.0	21.0	21.0	21.5	21.5	21.5	21.5
Dimensions (in mm)	412 X 365 X 25	412 X 403 X 25	412 X 403 X 25	1009 X 403 X 40	1009 X 403 X 40	1009 X 403 X 40	1009 X 440 X 40	1100 X 656 X 40
Type of Cell	FULL CIRCULAR	CUT CELLS	CUT CELLS	FULL CIRCULAR	FULL CIRCULAR	FULL CIRCULAR	PSEUDO CIRCULAR	PSEUDO CIRCULAR



Electrical specifications mentioned above are at standard test conditions of 100 mw / sq.cm., AM 1.5 and at 25 degrees Centigrade cell temperature and are within normal production tolerance of +/- 10%. Due to continuous process innovations, the modules supplied may differ from those specified above.

The above specifications pertain to the standard REIL make SPV Modules. REIL can also manufacture and supply SPV Modules as per specific customer requirements, provided the volume of order is substantial.



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