



Romag

SOLAR

Romag SMT 6(48)P PV Modules



Romag SMT 6 Series Modules

Romag are a UK glass processor and solar PV manufacturer. The SMT 6 Series modules are made in the UK, which improves both availability and service in the UK market. Romag also process glass used in our PV modules at the same location as our PV line which further improves logistics and quality control. These features also combine to achieve the lowest possible embedded CO² content compared with many PV modules. (Most modules available in the UK are of Asian origin and are shipped to the UK or use glass imported from Europe and beyond consequently clocking up numerous 'carbon miles'!).

SMT 6 Series modules were the first PV modules to achieve the BSI Kite mark for MCS certification.

Important Features

- Suitable for use in systems up to 1000V DC
- Maximum applied load to front surface, of 5400 Pa
- Maximum applied loading, front and back, of 2400 Pa
- Manufactured in our ISO 9001: 2008 certified factory
- Factory regularly audited by BSI, TUV SÜD and ICIM
- Repetitive cycling between -40deg C and +80deg C at 80% relative humidity
- Simulated impact of 25mm hail at terminal velocity
- 3000V DC frame/cell string isolation test
- Bypass diodes to counteract shading effects

Maintenance

Romag SMT6 Series PV modules are passive with no moving parts to wear out and if installed at an angle of over 20° are self cleaning in most locations. We do however, recommend an inspection of the modules at least once a year and any dirt build up should be cleaned off.

MADE IN UK 

LOW CARBON FOOTPRINT

'IN HOUSE' GLASS PROCESSING (BETTER SERVICE AND QUALITY CONTROL)

MCS CERTIFIED

BLACK FRAMES, SILVER FRAMES OR UNFRAMED VARIANTS

AVAILABLE AS 'PV KITS'



Romag SMT 6(48)P Electrical Characteristics

Pmpp	190	185	180	175	Wp
Vmpp	23.63	23.43	23.28	22.99	V
Imp	7.97	7.85	7.71	7.66	A
Voc	29.92	29.90	29.76	29.59	V
Isc	8.45	8.35	8.24	8.22	A
FF	74.49	73.66	73.22	72.47	%
Efficiency	14.5	14.1	13.7	13.3	%

Temperature Characteristics

Coefficients: Power $-0.45\%/^{\circ}\text{C}$ Voltage $-0.35\%/^{\circ}\text{C}$ Current $0.05\%/^{\circ}\text{C}$

Features

- High efficiency photovoltaic modules made of polycrystalline silicon solar cells 156mm square.
- Bypass diodes to minimise power loss caused by shading.
- Acid etched cells for especially high current yields.
- Choice of silver or black anodised aluminium frames
- Module efficiency up to 14.5%
- Output: connection cable with locking connector.
- 5 year product guarantee.
- 10 year performance guarantee for 90% of original measured power output.
- 25 year performance guarantee for 80% of original measured power output.
- Lead free components used throughout.

Romag PV Kits

To make life easier for installers and clients, Romag offers a range of standard PV kits. There are eight kits ranging from 1.2kW to 4.0kW which fit nicely into the highest UK 'feed in tariff' for retrofit PV installations. The kits include all components required for installation including Romag SMT 6 Series Modules, mounting rails, matched inverter, isolator switches, all packed on a single pallet and ready for installation.

Current Range

Romag constantly strive to provide the best possible range of products to meet dynamic market needs. Our current range provides module outputs from 175W to 235W but improvements in efficiency and alternative cells will enable us to widen our product offering and higher output modules will soon be added to the Romag SMT 6 Series range. More information will be provided soon.

Romag SMT 6(60)P PV modules are suitable for the smallest domestic on roof or ground mounted systems, social housing projects, large scale on roof commercial installations, and large ground large solar fields. In fact the Romag range is ideal for any grid connected installation.

Certification

Romag's SMT 6 Series modules were the world's first PV modules to be certified under the Microgeneration Certification Scheme (MCS) by the highly respected BSI certification body. Maintaining this certification will involve consistent and on-going attention to detail during manufacture and regular audits by BSI will ensure that this is maintained.

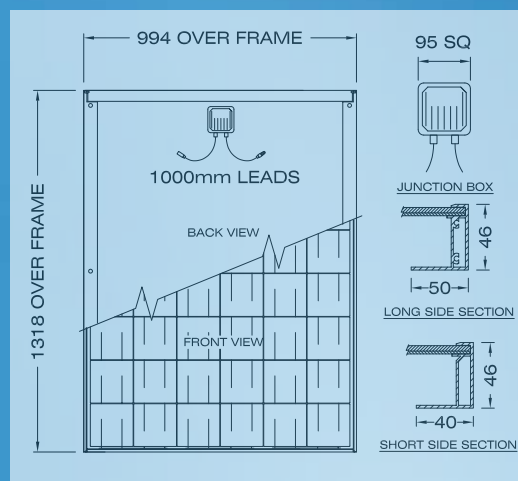
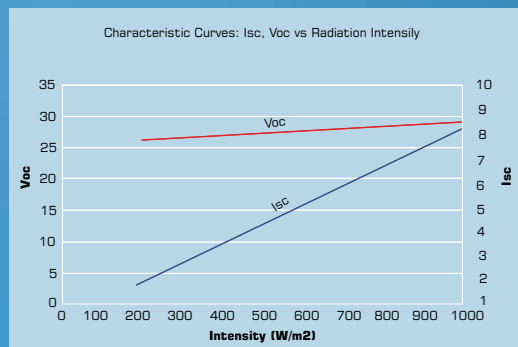
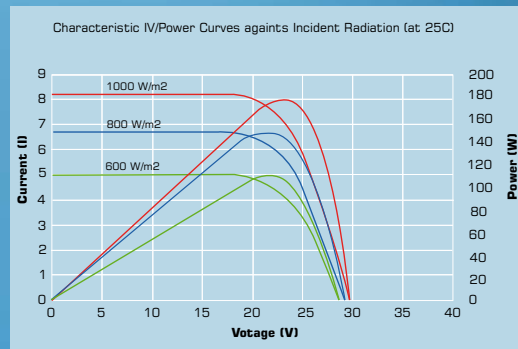
Quality

Romag's processes are also certified by BSI to the latest Quality Standard BS EN ISO 9001:2008.

Safety

SMT 6 Series modules are certified by ICIM in Italy in accordance with IEC 61215 Edition 2 and IEC 61730

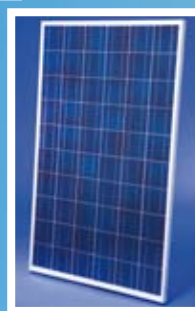
Romag Ltd., Leadgate Industrial Estate, Consett, Co. Durham, DH8 7RS, UK Tel: +44 (0) 1207 500 000 Fax: +44 (0) 1207 591 979
Email: info@romag.co.uk Web: www.powerglaz.co.uk



Also in the range



SMT 6(54)p



SMT 6(60)p

Disclaimer

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Romag SMT 6(54)P Electrical Characteristics

Pmpp	210	205	200	Wp
Vmpp	26.95	26.25	26.14	V
I_{mp}	7.87	7.80	7.64	A
V_{oc}	33.61	33.22	33.22	V
I_{sc}	8.33	8.29	8.14	A
FF	75.70	74.31	73.87	%
Efficiency	14.3	13.9	13.6	%

Temperature Characteristics

Coefficients: Power $-0.45\%/^{\circ}\text{C}$ Voltage $-0.35\%/^{\circ}\text{C}$ Current $0.05\%/^{\circ}\text{C}$

Features

- High efficiency photovoltaic modules made of polycrystalline silicon solar cells 156mm square.
- Bypass diodes to minimise power loss caused by shading.
- Acid etched cells for especially high current yields.
- Choice of silver or black anodised aluminium frames
- Module efficiency up to 14.3%
- Output: connection cable with locking connector.
- 5 year product guarantee.
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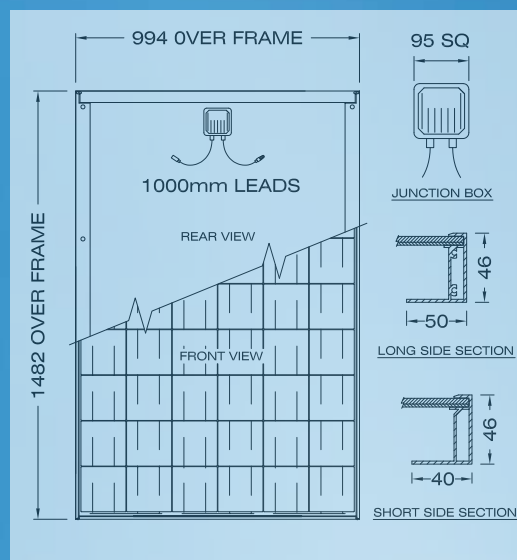
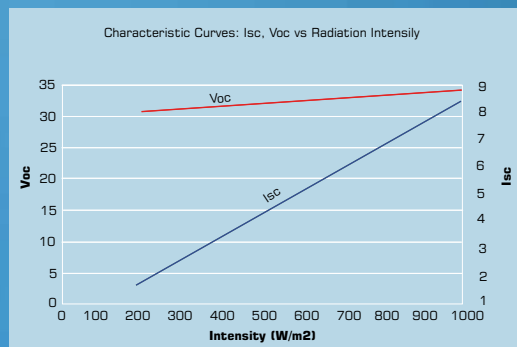
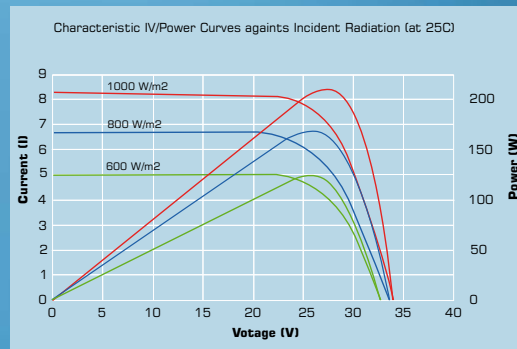
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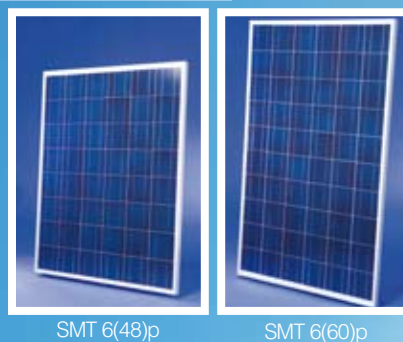
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Pmpp	235	230	225	220	Wp
Vmpp	29.47	29.18	29.03	28.70	V
Imp	7.96	7.88	7.76	7.67	A
Voc	37.32	37.07	36.98	36.74	V
Isc	8.45	8.37	8.24	8.18	A
FF	74.41	74.11	73.84	73.18	%
Efficiency	14.4	14.1	13.8	13.5	%

Temperature Characteristics

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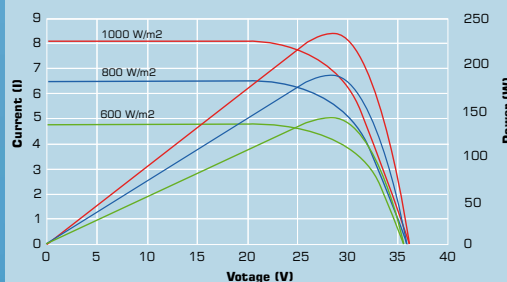
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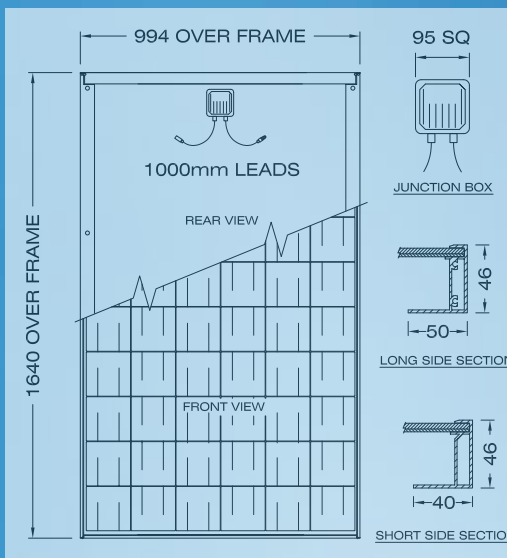
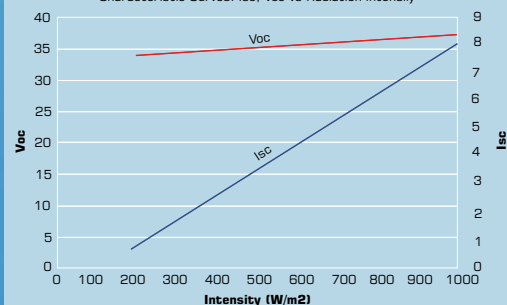
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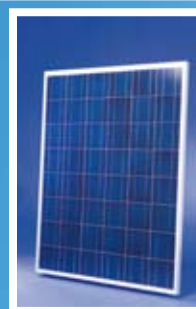
Characteristic IV/Power Curves against Incident Radiation (at 25°C)



Characteristic Curves: Isc, Voc vs Radiation Intensity



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SMT 6(54)p

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