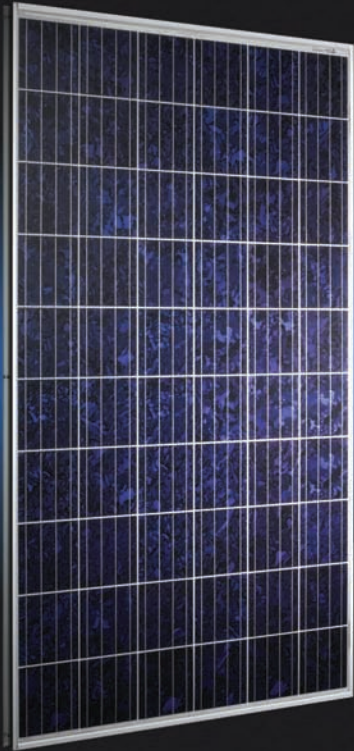


PV-TJ225GA6

PHOTOVOLTAIC MODULE



PV-TJ225GA6

PHOTOVOLTAIC MODULE

Through its involvement in satellite applications of solar technology, Mitsubishi Electric has pushed the boundaries in photovoltaic development for decades.

This leading edge power generation technology has now been applied by Mitsubishi Electric to products and systems for terrestrial applications. Mitsubishi Electric constantly focuses its efforts on increasing performance, quality and reliability for the present and future demands of all users.

Reliability

- Optimised tab thickness
- Double-sided independent tabs
- Lower slope of module frame
- Static load test - 5400Pa passed with Protection Bar
- Tougher, more durable I section frame
- Enhanced water drainage structure
- Enhanced corrosion resistant frame
- Max. system voltage of 1000v

Efficiency

- Higher cell efficiency
- 4 bus bar cells
- Solder-coatingless cells
- Fine grid electrodes
- Anti-reflective coating
- Unique bus bar design
- High reflectance back film
- Celium-free/High transmittance glass
- Tight tolerance: +/- 3%

Safety

- Quad-layer structure junction box
- High reliability bypass diodes
- Lock mechanism equipped connectors
- Lighter weight - 20kg per module
- Conformity with IEC61215 2nd edition, TUV safety class II, EN61730

Eco-friendly

- Lead-free solder PV module
- Manufactured in ISO 14001 certified manufacturing plant
- Recyclable steel pallets

Technical Information



PV-TJ225GA6

PHOTOVOLTAIC MODULE

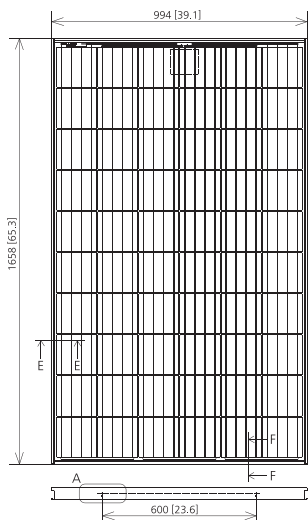
Specifications

Model	PV-TJ225GA6
Cell type	Polycrystalline Silicon, 156mm x 156mm
Number of cells	60 cells in a series
Maximum power rating (Pmax)	225W
Minimum power rating (Pmax)	218,3W
Tolerance of maximum power rating	+3/-3%
Open circuit voltage (Voc)	36,4V
Short circuit current (Isc)	8,30A
Maximum power voltage (Vmp)	30,0V
Maximum power current (Imp)	7,50A

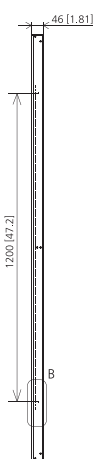
Normal operating cell temperature (NOCT)	47,5°C
Maximum system voltage	DC 1000v
Fuse rating	16A
Dimensions	1658x994x46mm
Weight	20kg
Output terminal	(+) 1025mm/(-) 1025mm with MC connector (PV-KBT4/6II-UR, PV-KST4/6II-UR)
Module efficiency	13,7%
Packing condition	2 pcs - 1 carton
Certificate	IEC 61215 edition 2 (static load test 5400Pa passed) EN 61730, TUV Safety Class II, IEC 61730

Dimensions (mm)

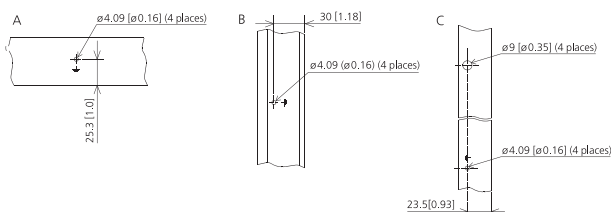
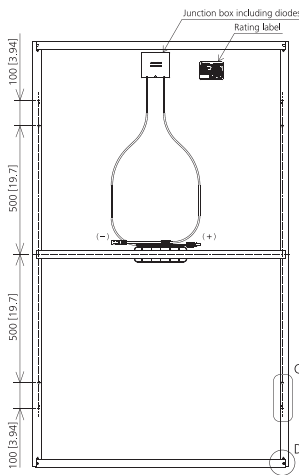
Front View >



Side View >



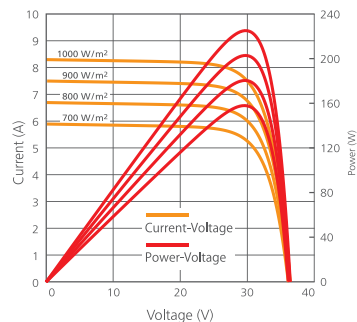
Rear View >



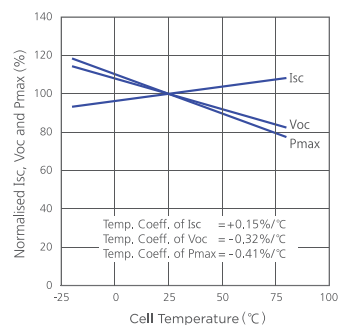
Electrical Characteristics

Electrical Performance

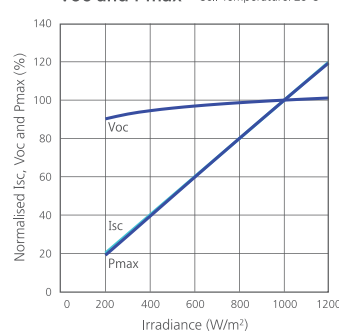
Cell Temperature: 25°C



Temperature Dependence of Isc, Voc and Pmax



Irradiance Dependence of Isc, Voc and Pmax



Changes for the Better

Telephone: **01707 282880**

Fax: **01707 278592**

email: pv@meuk.mee.com web: www.mitsubishielectric.co.uk/pv

UNITED KINGDOM Mitsubishi Electric Europe Photovoltaic Systems Division
Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England. General enquiries Tel: 01707 282880 Fax: 01707 278674

IRELAND Mitsubishi Electric Europe Westgate Business Park, Ballymount, Dublin 24, Ireland.
Tel: Dublin (01) 419 8800 Fax: Dublin (01) 419 8890 International code: (003531)

Country of origin: United Kingdom - Japan - Thailand - Malaysia. ©Mitsubishi Electric Europe 2010. Mitsubishi and Mitsubishi Electric are trademarks of Mitsubishi Electric Europe B.V. The company reserves the right to make any variation in technical specification to the equipment described or to withdraw or replace products without prior notification or public announcement. Mitsubishi Electric is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. All goods are supplied subject to the Company's General Conditions of Sale, a copy of which is available on request. Third-party product and brand names may be trademarks or registered trademarks of their respective owners.

August 2010

SAP No. 236208



Certificate Number: MCS PV0002
Product Reference: PV-TJ210GA6
PV-TJ220GA6, PV-TJ225GA6, PV-TJ230GA6,
PV-TJ235GA6

