

Mitsubishi Electric PV Packs

Mitsubishi Electric PV Packs bring together high efficiency Mitsubishi Electric PV modules with an inverter and a mounting system to create complete kits for residential properties with pitched roofs.

The on-roof version of the PV Pack is designed for retrofit projects either where there is already a sound roof in place, or for new build projects where there is a preference for a complete roof separate from the PV system. The low profile system protrudes less than 200mm above the roof so is classed as a permitted development in both England and Scotland and as such does not require planning permission in non-conservation areas. The in-roof version has an even lower profile and is primarily suitable for new build.

The PV Packs use MCS-accredited hardware so are eligible for Government incentives such as grants and renewable electricity tariffs when properly installed by MCS-accredited installers. All PV Packs with outputs under 16A are compliant with the G83 grid connect standard.

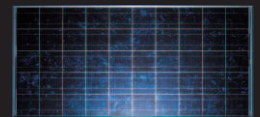
Roof Types:

- New build and retrofit
- Concrete tile
- Clay tile
- Slate

Standards:

- Uses MCS-accredited Mitsubishi Electric PV-TD185MF5 and PV-TD180MF5 modules
- Inverter conforms with G83 grid connect standard
- Design and component set conforms to DTI best practice guidelines
- Suitable for MCS-compliant installations
- MCS-compliant owners manual included

PV
PACKTM



Technical Information



Mitsubishi Electric PV PACKS

Specifications

PV-TD180-based		OR	PV-TD185-based		PLUS	Fronius Inverter	Number of Modules			Dimensions (mm)		
Name	Capacity		Name	Capacity			Total	Rows	Columns	Height	Width	Anchors
PVP144	1.44kW		PVP148	1.48kW		IG15	8	2	4	3336	3396	16
PVP162	1.62kW		PVP167	1.67kW		IG15	9	3	3	5041	2542	18
PVP180	1.80kW		PVP185	1.85kW		IG15	10	2	5	3336	4250	20
PVP216	2.16kW		PVP222	2.22kW		IG20	12	3	4	5014	3396	24
PVP270	2.70kW		PVP278	2.78kW		IG30	15	3	5	5014	4250	30
PVP288	2.88kW		PVP296	2.96kW		IG30	16	4	4	6692	3396	32
PVP324	3.24kW		PVP333	3.33kW		IG30	18	3	6	5014	5104	36
PVP360	3.60kW		PVP370	3.70kW		IG40	20	4	5	6692	4250	40
PVP432	4.32kW		PVP444	4.44kW		IG40	24	4	6	6692	5104	48

Note: For the complete range of available PV Packs please see www.mitsubishielectric.co.uk/pv

Framework	Aluminium rail kits designed by Ecolution
Meter	1 x Elster A100
Isolators	1 x DC isolator per string, 1 x AC isolator
Documentation	MCS-compliant owners manual

Optional Extras

Remote display
Remote monitoring
Extended inverter warranties: 10, 15 or 20 years
Installation and commissioning training
Project design and commissioning services

Compatible Roof Criteria

For concrete, clay and composite slate tiles up to 35mm thick the tile variation of the PV Pack should be used.
For slates between 3-10mm thick, the slate variation of the PV Pack should be used.
For in-roof systems please see www.mitsubishielectric.co.uk/pv
In addition, it may well be possible to fit PV Packs with roof coverings not fitting the descriptions above. All queries regarding roof integration should be directed to Ecolution on 09065 500 735 (please note this is a premium rate number).



Requirements

Mitsubishi PV Packs must be installed by Accredited PV Pack Installers. All Accredited PV Pack Installers are MCS-accredited for PV.



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