



Certificate No: MCS BBA 0156

Technology: MCS 012 – Pitched Roof Installation Kits

Product: GSE Integration Mounting Systems

Components	GSE Integration Frames: Mounting Plate Flashings End Clamp (H16, H19, & H21) Middle Bracket (H16, H19, & H21) Plastic Packer EPDM Seal Wood self-drilling screw (6.5 x 60 mm)
Installation Type	Roof integrated
Permissible roof pitch (Angle °)	15° – 50°
Roofing substrate minimum requirements	Slated or tiled roofs
Maximum design wind uplift resistance (kPa) <i>Calculated by dividing the characteristic wind uplift resistance by the partial safety factor shown below.</i>	2.71
Partial (safety) factor(s)	1.44
Fire classification to EN 13501-5:2005+A1:2009	<p>Axitec AC-270M/156-60S R35 – B_{ROOF}(t4)</p> <p>BenQ Solar BenQ AUO PM060MW2 – B_{ROOF}(t4) BenQ AUO PM096B00 – B_{ROOF}(t4)</p> <p>Canadian Solar CS6P-265P – B_{ROOF}(t4) CS6P-265M – B_{ROOF}(t4)</p> <p>Eging EG-285-M60-C – B_{ROOF}(t4)</p> <p>Eurener MEPV300-B – B_{ROOF}(t4)</p> <p>JA Solar 60/275-295 – B_{ROOF}(t4) JAP 6 (SE) – B_{ROOF}(t4) JAM 6 (K) (BK)-60-285/4BB – B_{ROOF}(t4)</p> <p>LG LG260/250/245-S1C – B_{ROOF}(t4) LG NeON 2 Black – B_{ROOF}(t4) LG NeON 2 – B_{ROOF}(t4)</p>

Panasonic

VBHN245SJ25 – B_{ROOF}(t4)

Perlight

PLM 250MB-60-Delta – B_{ROOF}(t4)

Intenergy INE-250-P-60 – B_{ROOF}(t4)

Intenergy INE-285MB-60 – B_{ROOF}(t4)

Phono Solar

PS 250 – B_{ROOF}(t4)

REC

Peak Energy 250PE – B_{ROOF}(t4)

Risen

Risen RSM-60-6-250P – B_{ROOF}(t4)

Sapphire Solar

SS250P/60 – B_{ROOF}(t4)

SS285M/60 – B_{ROOF}(t4)

Seraphin

SRP 250-6PB – B_{ROOF}(t4)

SRP 250-6MB – B_{ROOF}(t4)

Shinetime

XTM6-60-250BK – B_{ROOF}(t4)

Solar World

SW-275 MB-60 – B_{ROOF}(t4)

Sunmodule

Plus SW 250 Poly – B_{ROOF}(t4)

Sunpower

SPR E20-327 – B_{ROOF}(t4)

Trina Solar

TSM DC05A.08 – B_{ROOF}(t4)

TSM-DC05A.05 – B_{ROOF}(t4)

Products tested for fire classification are as stated above.

The fire performance rating applies to the roofing kit when used with the family of modules from which the tested modules came, or other modules that have identical material specification and design of: frame, coversheet, encapsulant, backing sheet and sealant.

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The BBA (British Board of Agrément) has issued this Microgeneration Certification Scheme (MCS) Certificate to the company and products named above, in recognition of the products' compliance with the MCS Scheme Requirements for the technology named above.

On behalf of the British Board of Agrément

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Hardy Giesler
Chief Executive Officer

The BBA is a UKAS accredited certification body – Number 113. The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbacerts.co.uk Readers MUST check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA directly

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