

INTEGRATED ENERGY SOLUTIONS

SOLAR | WIND | EV | OFFGRID



MOUNTING SYSTEMS FOR SOLAR TECHNOLOGY

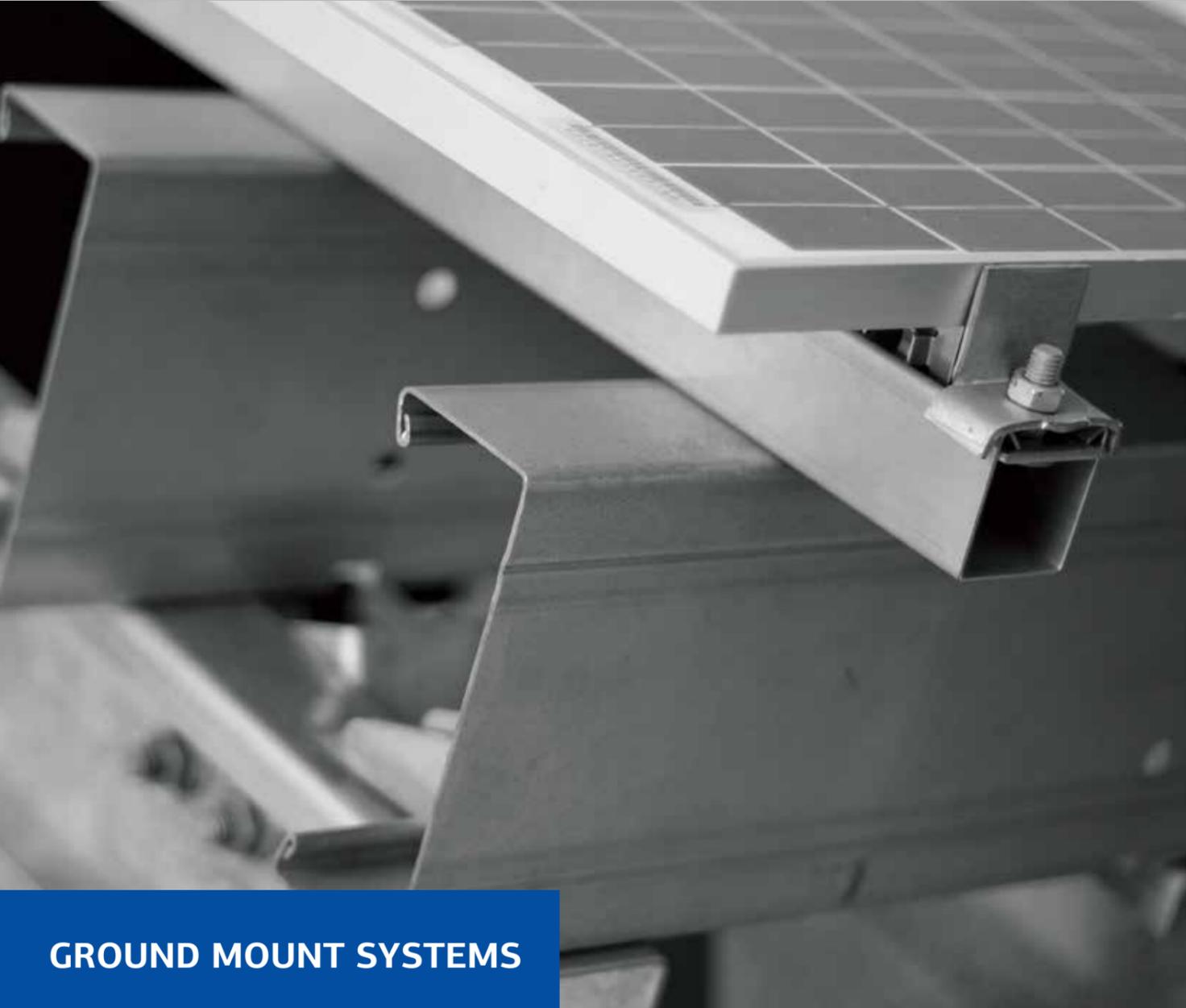


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British engineering manufactured in the UAE





GROUND MOUNT SYSTEMS



QiKlip Technology

- ▶ Patented system designed in UK
- ▶ Simple “click to fit” module installation
- ▶ No tools required
- ▶ Reduces module installation time by over 30%
- ▶ Over 2.89KN load capacity on each clip
- ▶ Module to module spacing reduced by 40%
- ▶ No need for secondary module to module bonding
- ▶ Ideal for mechanical cleaning solutions

GROUND

PITCHED ROOF

FLAT ROOF

GROUND MOUNT SYSTEMS

- ▶ Patented Qi-Klip technology
- ▶ Manufactured in the UAE using G275/G600 galvanized or 304/316 stainless
- ▶ Designed to accommodate up to 44 panels in one table
- ▶ Available in portrait or landscape as South and East/West configuration
- ▶ Pitches from 5-22 degrees with driven pile or ballast anchoring
- ▶ Integrated stringer cable management system
- ▶ Saddle clamp assembly reduces manual handling
- ▶ Over 500MW of experience
- ▶ Approved by all of the top-tier module manufacturers
- ▶ 25 year warranty



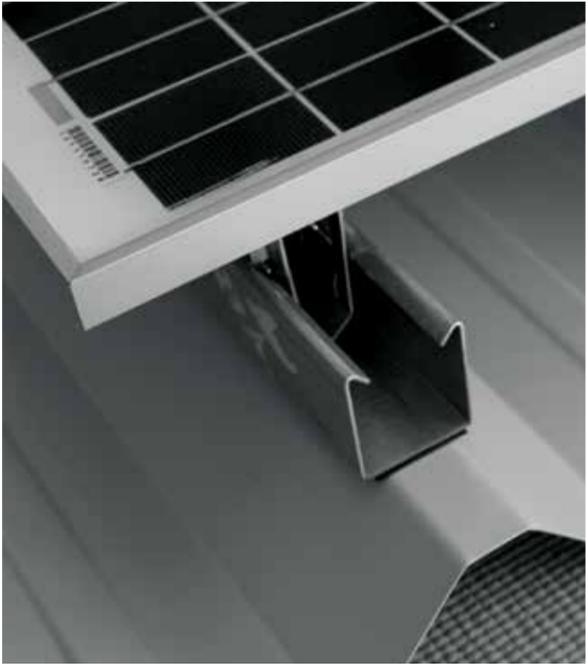
SYSTEM SPECIFICATION

ELEMENT	GAUGE	MATERIAL	YIELD	FINISH
Table upright	3mm	Pre-punched Z275 galvanised steel sheet	220 N/mm2	Mill finish
Rafter	2.5mm	Pre-punched Z275 galvanised steel sheet	220 N/mm2	Mill finish
Stringer	1.5mm	Pre-punched Z275 galvanised steel sheet	215 N/mm2	Mill finish
Mini-Rafter	1.5mm	Pre-punched Z275 galvanised steel sheet	140 N/mm2	Mill finish
Stringer clamp	4mm	Formed Z600 galvanised steel sheet	220 N/mm2	Mill finish
Panel stop assembly	2.5mm/3mm	Formed Z600 galvanised steel sheet	140 N/mm2	Mill finish
Panel Spacer	10mm	UV stabilised polypropylene		Black
Panel Clip	1.4mm	Formed Z600 galvanised steel sheet		Mill finish



PITCHED ROOF MOUNTING SYSTEMS

- ▶ Patented Qi-Klip technology
- ▶ British engineering and design
- ▶ Designed around 160km/h wind speeds to suit Dubai Municipality codes
- ▶ Manufactured in the UAE using G275/G600 galvanized or 304/316 stainless
- ▶ Universal mounting rails for single skin and insulated panels
- ▶ Designed for 0.5mm and 0.7mm substrates in steel and aluminum
- ▶ Less than 1KG per module
- ▶ Portrait and landscape designs
- ▶ Only 4 fixings per module to accommodate up to 6.88KN of panel uplift load
- ▶ European sourced self drilling and self sealing fixings
- ▶ Integrated EPDM isolator
- ▶ 25 year warranty



PITCHED ROOF MOUNTING SYSTEMS

SYSTEM SPECIFICATION

ELEMENT	GAUGE	MATERIAL	WEIGHT	FINISH
Mini-Rafter	1.5mm	Pre-punched Z275 galvanised steel sheet	363g	Mill finish
Panel stop assembly	2.5mm	Formed Z600 galvanised steel sheet	78g	Mill finish
Panel Spacer	10mm	UV stabilised polypropylene	7g	Black
Panel Clip	1.4mm	Formed Z600 galvanised steel sheet	42g	Mill finish
Fasteners	6.3 x 28mm	304 grade stainless with EPDM washer	5g	Mill finish
Isolater	0.5mm	EPDM sheet applied to profile	3g	Black



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- ▶ No need for secondary module to module bonding
- ▶ Ideal for mechanical cleaning solutions



FLAT ROOF MOUNTING SYSTEMS



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GROUND

PITCHED ROOF

FLAT ROOF

FLAT ROOF MOUNTINGS SYSTEMS

- ▶ Incorporates patented Qi-Klip technology
- ▶ British engineering and design
- ▶ Designed around 160km/h wind speeds to suit Dubai Municipality codes
- ▶ Manufactured in the UAE using G275/G600 galvanized or 304/316 stainless
- ▶ Designed for membrane, insulated and non insulated roof
- ▶ Less than 8KG per module inclusive of mechanical fixing Sol-F.
- ▶ Portrait and landscape designs
- ▶ Uses SFS-SOL-F mechanical fixing systems for a range on insulation depths
- ▶ Avoids traditional load associated with concrete ballast systems
- ▶ Approved by all major membrane suppliers
- ▶ 25 year warranty



SYSTEM SPECIFICATION

ELEMENT	GAUGE	MATERIAL	WEIGHT	FINISH
Folded stringer	3mm	Pre-punched Z275 galvanised steel sheet	4606g	Mill finish
Mini-Rafter	1.5mm	Pre-punched Z275 galvanised steel sheet	363g	Mill finish
Panel stopper	2.5mm	Formed Z600 galvanised steel sheet	78g	Mill finish
Panel Spacer	10mm	UV stabilised polypropylene	7g	Black
Panel Clip	1.4mm	Formed Z600 galvanised steel sheet	42g	Mill finish
Fasteners	6.3 x 28mm	304 Grade stainless with EPDM washer	5g	Mill finish