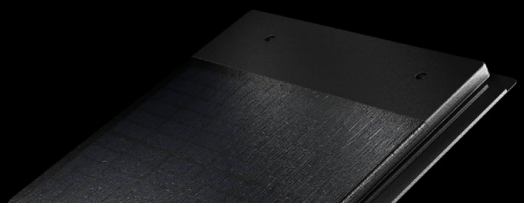
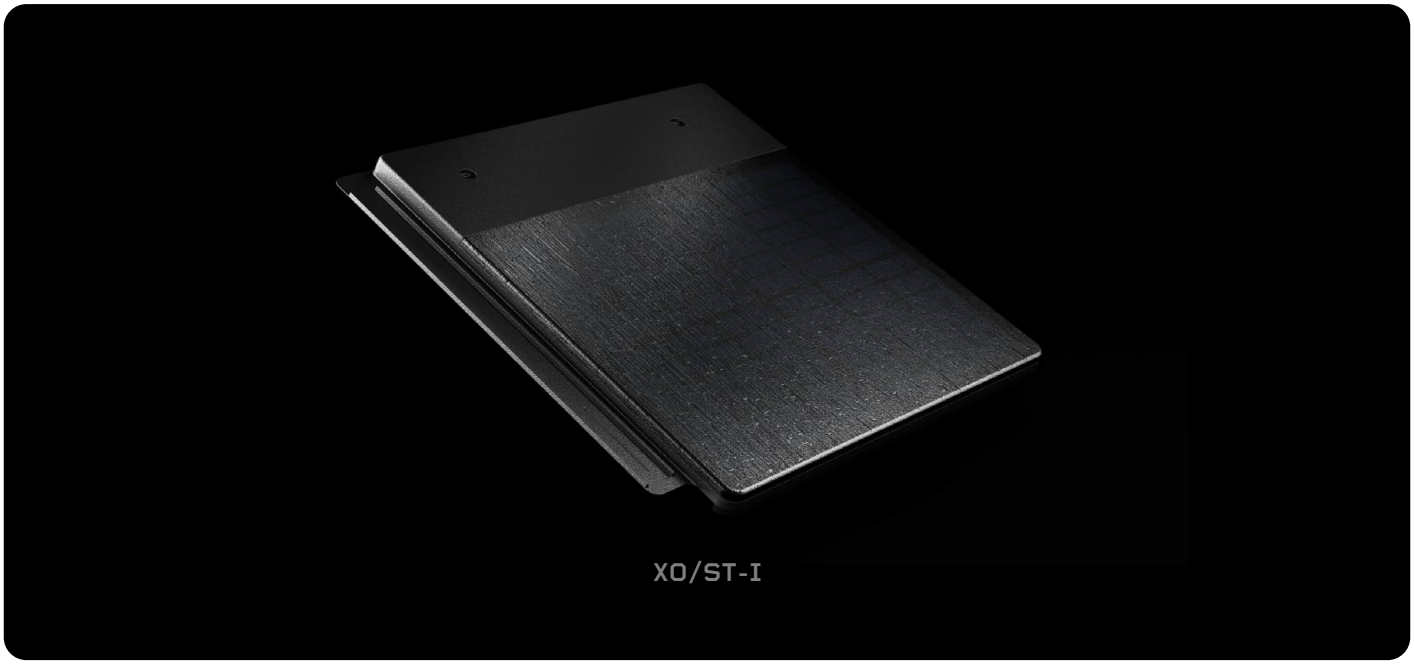
XO SOLAR TILE
TECHNICAL SPECIFICATIONS /



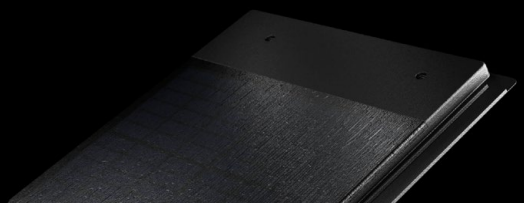
XO SOLAR TILE SPECIFICATIONS



XO SOLAR TILE	XO/ST-I
CELL TYPE	Monocrystalline Silicon
PEAK POWER (WP)	12Wp
CONVERSION EFFICIENCY (%)	18.60%
MAXIMUM POWER VOLTAGE (VMP)	10V
MAXIMUM POWER CURRENT (IMP)	1.2A
OPEN CIRCUIT VOLTAGE (VOC)	12.5V
SHORT CIRCUIT CURRENT (ISC)	1.25A
NOCT	44°C
POWER TEMPERATURE COEFFICIENT	-0.38%/°C
CURRENT TEMPERATURE COEFFICIENT	0.04%/°C
VOLTAGE TEMPERATURE COEFFICIENT	-0.30%/°C
MAXIMUM SYSTEM VOLTAGE (VDC)	600V
MAX VOLTAGE PER ELECTRICAL ROW	550V
OPERATING TEMPERATURE	- 40°C ~ +85°C
MAX. FUSE RATING (A)	15A
JUNCTION BOX RATING	IP67
CONNECTOR CABLE	4.0mm2
TERMINAL CONNECTORS	MC4

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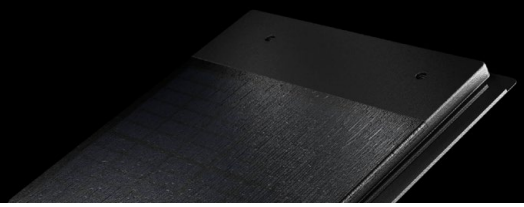
XO SOLAR TILE
TECHNICAL SPECIFICATIONS /



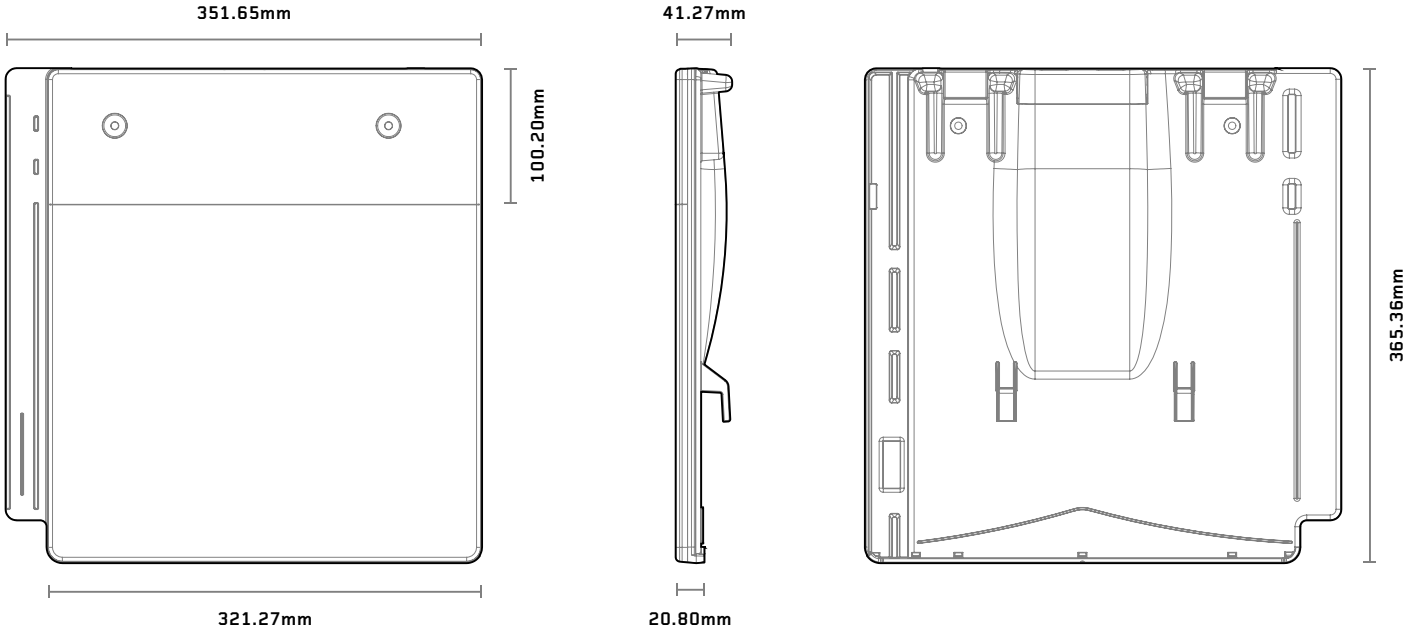
XO SOLAR TILE	XO/ST-I
MECHANICAL DATA	
EXTERNAL DIMENSIONS	351.65mm (W) x 365.36mm (H) x 41.27mm (D)
APERTURE AREA	300mm x 250mm
COVER WIDTH	315mm
HANGING LENGTH	260mm (@ 100mm headlap)
PROFILE DEPTH (LEADING EDGE)	21mm
WEIGHT PER SOLAR TILE	1.4kg
STATIC STRUCTURAL LOAD PER M2	17.5kg (@ 100mm headlap)
CHARACTERISTIC WIND RESISTANCE	2400 Pa or 244 Kg/mm2
ULTIMATE DESIGN LOAD	2400 Pa or 244 Kg/mm2
POSITIVE DESIGN LOAD	2400 Pa or 244 Kg/mm2
DESIGN CONSIDERATIONS	
SOLAR TILES PER KW	84
COVERAGE CAPACITY	12.5 per m2 (at 100mm headlap)
MAX SOLAR TILES PER ELECTRICAL ROW	55 (fifty five)
MAX ELECTRICAL ROWS PER STRING	16 (with an XO Inverter)
MINIMUM PITCH	15° (@ 110mm headlap)
MAXIMUM PITCH	90°
MINIMUM HEADLAP	75mm (22.5° and above)
	100mm (below 22.5°)
MINIMUM GAUGE	255mm
MAXIMUM GAUGE	285mm
RECOMMENDED GAUGE	260mm
BATTENS REQUIRED	2.9 lin.m/m² at 75mm headlap
	3.1 lin.m/m² at 100mm headlap
BATTEN SIZE RECCOMENDED	50 x 25mm for rafters/supports not exceeding 600mm centres
FIXING SPECIFICATION	Tile nails 50mm x 3.35mm or Countersunk screws 50mm x 3.35mm
COMPATIBLE ROOF COVERINGS	XO Mariana Tiles only
FIRE RATING	Class II (IEC 61730)
POWER WARRANTY	25 Years 80% Power Output
	12 Years 90% Power Output
	3 Years Material & Workmanship
SAFETY STANDARDS	IEC 61730 | UL | TUV | RETC
NOMINAL OPERATING CELL TEMPERATURE	Electrical specification measured under standard test conditions: Irradiation 1000W/m2 with light spectrum AM 1.5 and a cell temperature of 25°C.

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XO SOLAR TILE
TECHNICAL SPECIFICATIONS /



XO SOLAR TILE DIMENSIONS



XO SOLAR ROOF



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