

THRUFLOW

PREMIUM DECKING SOLUTIONS

ThruFlow™ Solis - Specification Chart

Colours Available	Maple	Light Grey	Seafoam
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Base Material		FRPP - Fibreglass Reinforced Polypropylene
Sizes - (L x W x H) ¹	inch mm	11.85 x 47.87 x 1.2 301 x 1216 x 30.5
Support Span	inch mm	16 406
Weight	lbs kg	6.00 2.72
Load Capacity at 0.125" Deflection ²	lb _f kN	312.8 1.4
Load Capacity - Peak Load ²	lb _f kN	1,415.6 6.3
Concentrated Static Load - Peak Load ²	lb _f kN	750.0 3.3
ASTM E661		
Coefficient of Friction ³	Static Kinetic	0.78 0.76
ASTM D2394-83		
Thermal Expansion ⁴	1/°F 1/°C	1.40 x 10 ⁻⁵ 2.52 x 10 ⁻⁵
ASTM D696-03		
Light thru Surface	%	60
U/V Light Properties		UV Stabilized by Additive
Warranty		Lifetime limited

For full test reports please contact ThruFlow Inc.
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1-888-478-3569 / sales@thruflow.com

¹ Tolerances: ±2mm for length, ±1mm for width, ±0.5mm for thickness

² UNB Wood Science and Technology Centre - Report# WSTC2018-007

³ Cambridge Material Testing Limited - Report# 356155J-04

⁴ Cambridge Material Testing Limited - Report# 356155D-04

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<i>SXp ALLinONE</i>	<i>SXp 24</i>
<i>Power Generated (W)</i>	24
<i>Battery Voltage (V)</i>	12-13.8
<i>Max Output Current (A)</i>	2
<i>Number of Cells</i>	6
<i>Length (inches)</i>	39.57
<i>Width (inches)</i>	7.01
<i>Thickness (inches)</i>	0.079
<i>Weight (lbs)</i>	1.76
<i>MPPT Algorithm</i>	BOOST MPPT 4-phase interleaved topology
<i>Charge Algorithm</i>	CC-CV charger
<i>Peak efficiency (%)</i>	98
<i>Tracking efficiency (%)</i>	98
<i>Night Consumption</i>	≈ 0
<i>Operating Temperature (°C)</i>	-40 - 105
<i>Protections</i>	Output short circuit, over temperature
<i>Cable Length (m)</i>	4
<i>Cable Diameter (external) (mm)</i>	8.5
<i>Wire Gauge</i>	1.5 mm ² /AWG 15
<i>Polarity colour code</i>	“+” -> brown cable // “-” -> blue cable
<i>Cable Coating</i>	Neoprene™
<i>Safety Class</i>	A