

SOLAR TILE TECHNICAL SPECIFICATIONS:

Technology	Embedded single and multi crystalline silicone photovoltaic cell
Type of solar cell	SunPower A-300
Color availability	Black, red/brown, blue/grey
Installation Weight	400 lbs per 100 SF, 12 lbs per tile
Material	Polycarbonate
Roofing applications	New construction and retrofit, residential and commercial sloped roofs
Actual Size	17" x 36" x 1"
Exposed Size	13" x 35" x 1"
Weight	12 lbs
Module encapsulation	Glass, EVA, Tedlar®
Connector Type	Multi contact M/F
Output	Per 100 SF: Black: 1000 watts DC Red: 840 watts DC Brown: 850 watts DC
	Per tile: Black: 35 watts DC Red: 30 watts DC Brown: 31 watts DC
Roofing Information	Head lap: 3 to 4 in Exposure: 12 to 13.5 in Storm hook locations within the overlap
Efficiency under STC	Black: 20% Red and Brown: 12%
Annual kWp per kWp	Range: maximum 1800 to minimum 800. (Depends hook locations & applications)
Area per kWp	Black: 100 SF Red: 140 SF Brown: 135 SF
Nominal power Wp	Black: 35 watts DC Red: 30 watts Brown: 31 watts DC
Max power current	5.3A
Short circuit voltage	5.6A
Open circuit voltage	8.0VDC
Max power voltage	6.6VDC
Bypass diode	1 per tile
Max. system voltage	600V
Operating temperature	.40 to + 160F

WARRANTY:

25-year warranty on 80% power output

CERTIFICATIONS:

Class II 600VDC
CSA certified to UL1703

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