

SOLARBRIDGE TRUEAC MODULE



Model #SBT250-NA240

Lowest Total Installed Cost

Factory assembled, fully tested and certified AC module with integrated microinverter and AC cabling reduces field installation time by up to 50%.

Maximum Energy Yield

Module-level power conversion and optimization yields up to 25% more energy in an installation.

Installation and Design Flexibility

ACPV-based system virtually eliminates the need for specialized PV design knowledge and enables unparalleled flexibility in module layout and changes on the fly.

Highest Reliability

SolarBridge Pantheon microinverter architecture was designed from the ground up to spend 25 years on the roof.

Simple NEC Compliance

Compliant with rapid shutdown and all other requirements in the 2011 and 2014 NEC without additional equipment.



**Solar has never been so powerful—
and so simple.**

Introducing TRUEAC™ modules, a complete AC module now available direct from SolarBridge Technologies, the leader in microinverter technology. SolarBridge TRUEAC modules represent a breakthrough in module design—delivering maximum energy yield, unparalleled rooftop flexibility and lowest installed cost—all backed by a full 25-year warranty.

TRUEAC modules arrive as a fully assembled, tested and Listed package that allows for fast, flexible installations. Rooftops that were too complex for DC modules or suffered from shade are now economically feasible. System design changes that required a complete redesign with DC modules can be made while on the roof.

AC power production is optimized at the module level, meaning TRUEAC systems harvest up to 25 percent more energy than conventional DC modules.

TRUEAC is not subject to DC ground fault and arc fault requirements of DC string inverters and detached microinverters. SolarBridge TRUEAC Systems enable installers to comply with rapid shutdown requirements that appear in 2014 NEC 690.12 without any additional equipment.

With SolarBridge TRUEAC, you can install safe, sound solar on more rooftops than ever before.

For more information about SolarBridge TRUEAC Modules, go to trueacsolar.com

SBT250-NA240

AC ELECTRIC DATA

Max Continuous Output Power	225 W
Nominal Output Current	0.9375 A
Nominal Voltage [Range]	240 V [211 - 264 V]
Nominal Frequency [Range]	60 Hz [59.3 - 60.5 Hz]
Power Factor	>0.99
Peak Efficiency	95.5%
CEC Efficiency	94.5%
Total Harmonic Distortion	<5%
AC Cable Gauge	AWG #12 (3.31 mm ²)
Maximum Units per 20A Branch	17
Night Time Power Consumption	<30 mW
Communication	Powerline Carrier
Monitoring Capability	Web-Based Module-Level Capability

DC ELECTRIC DATA

DC Peak Power (Pmax)	250 W
Power Tolerance	0 to +5 W
DC Power Temperature Coefficient	-0.44 %/°C
Nominal Operating Cell Temp	45.3±2°C

MECHANICAL DATA

Dimensions (LxWxD)	64.6 x 39.1 x 2.4 inch (1640 x 992 x 62 mm)
Weight	47.6 lbs (21.6 kg)
Max Surface Load	Snow—5,400 Pascals (112 psf) on front w/specified mounting configuration Wind—2,400 Pascals (50 psf) front and back
Number of Cells	60
Front Glass	Low-Iron Tempered Glass
Frame	Anodized Aluminum Frame
AC Connector	Round Type, Load-Break Rated Listed to UL 6703A
Inverter Ambient Temp Range	-40°C to +65°C (-40°F to +149°F)
Inverter Operating Temp Range	-40°C to +85°C (-40°F to +185°F)
Inverter Cooling	Natural Convection (No Fans)

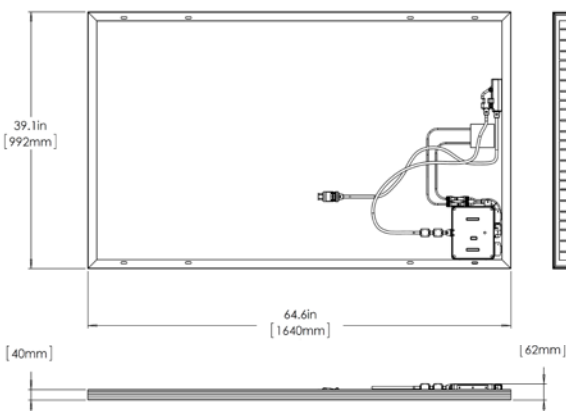
WARRANTY & CERTIFICATIONS

Warranty for Integrated System	25 year limited power warranty* 25 year limited product warranty
Environment	UL 1703 and NEMA 6 Module, Microinverter, & AC Cables are all certified to UL 1703 for TRUEAC panels
Microinverter	UL 1741, IEEE1547, CSA 22.2 107.1 FCC Part 15 Class B

ACPV MODELS

SBT250-NA240-A311	Black Backsheet/Black Frame
SBT250-NA240-A111	White Backsheet/Black Frame

MECHANICAL DRAWING



*DC module carries 10 year limited product warranty