

A10

Fully Assembled Solar Mounting Solution



For more information on our solar products please contact: Tim Oien 312-576-3398 phone
or email oiens@hestonwind.com



Stackable Units up to 15 high



Wind Speed: 110 mph
Live Load: 6-8 psf
Degree Tilt: 10



Dimensions:

Width (E/W): 5' 6" -
Length (N/S): 4' 10 3/4"
Height (max): 1' 1"

Design Criteria:

System design requirements will differ due to specific information regarding the site and building variables. You must consult a structural engineer to determine structural limitations of the building. SoCore Energy can provide engineering support for design and engineering the system.

The SunLock™ system is ballasted and requires additional blank units(without PV panel) and additional ballast trays in most cases to meet wind zone requirements. Standard SunLock™ modules are manufactured with a ballast tray on the north (back) side of the unit. Modules at the front of the array require a south (front) ballast tray. Additionally, blank units may be needed along the north (back) edge of the array. Ballast blocks measure 4"x 8"x 16" and have a minimum weight of 32 lbs (not included). Each ballast tray is designed to hold 4 blocks.

Bill of Materials:

Each SunLock™ unit is a fully assembled mounting solution which includes the following materials.

- SolarWorld solar panels - 245W
- Enphase Micro-inverters - M215/208
- Enphase LCF / EMU
- Enphase AC interconnect cables
- Enphase extension cables and endcaps
- SunLock™ aluminum mounting solution - Standard, South Ballast, Blank Units
- Tyco grounding lugs
- Limited Product Warranties

Additional materials required to complete the solar project can be found in the list of exclusions.

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Product Design Specifications - 5kW array shown

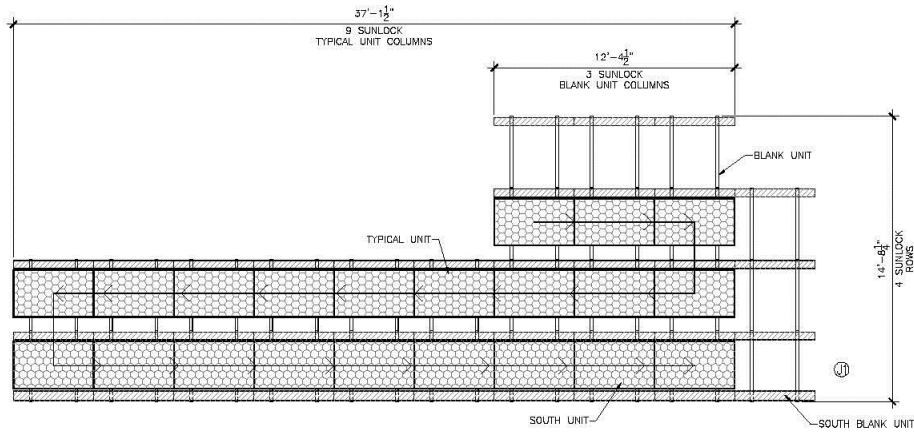
STANDARD WIND LOAD SPECIFICATIONS		
WIND LOAD	ROOF LOADING	EXPOSURE CATEGORY
100 MPH	< 7.5 PSF	C

NOTES:
WIND TUNNEL DATA AND ASCE7-05 USED TO CALCULATE BALLAST REQUIREMENTS.
WIND AND BALLAST LOAD REQUIREMENTS DIFFER WITH VARIABLE SITE DATA.
PLEASE CONSULT SOCORE ENERGY FOR SYSTEM LIMITATIONS.

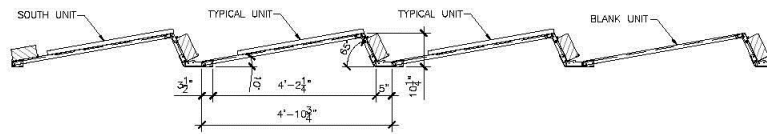
NOTE: LAYOUT MAY BE CUSTOMIZED PER EXISTING ROOF DIMENSIONS AND MECHANICAL EQUIPMENT LOCATIONS

SYMBOLS:

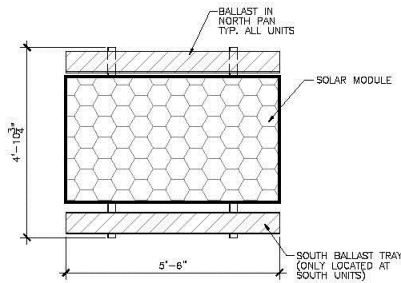
JUNCTION BOX
 CIRCUIT DIRECTION



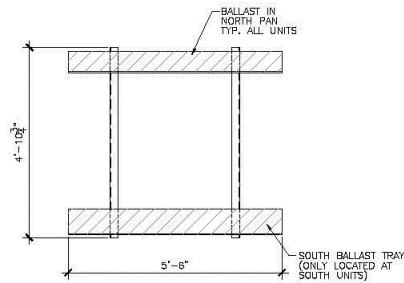
A TYPICAL SUNLOCK CIRCUIT LAYOUT
SCALE: N.T.S.



EAST ELEVATION



SINGLE UNIT PLAN



SINGLE UNIT PLAN (BLANK)

B TYPICAL SUNLOCK PLAN / ELEVATION
SCALE: N.T.S.