



# MINUTES

City of Ypsilanti  
**HISTORIC DISTRICT COMMISSION MEETING**  
Ypsilanti City Hall – 1 S Huron Street  
Ypsilanti, Michigan 48197

Tuesday, August 13, 2019  
7:00 P.M.

## CALL TO ORDER AND ROLL CALL

Mike Davis, Jr., Chair 7:11 PM

Commissioners Present: Mike Davis, Jr., Hank Prebys, Jane Schmiedeke, Erika Lindsay, Ron Rupert

Commissioners Absent: Anne Stevenson, Alex Pettit

Also Present: Mayor Beth Bashert  
Scott Slagor, Preservation Planner  
Nancy Hare-Dickerson, Commission Recording Secretary

## APPROVAL OF AGENDA

Motion: Prebys (second: Schmiedeke) moved to approve the agenda as submitted.

Approval: Unanimous. Motion carried.

## PUBLIC COMMENT ON AGENDA ITEMS—none

## PUBLIC HEARING—none

## OLD BUSINESS—none

## NEW BUSINESS

### Presentation - Highland Cemetery Nomination to the National Register of Historic Places

Bob Christensen, retired National Register Coordinator at the State Historic Preservation Office, presented a photographic and verbal summary of the rich history of Highland Cemetery. He spoke about Highland's key historic features, architectural significance, rural characteristics and landscape design, all of which were criteria for the nomination.

Barry LaRue, Secretary of the Highland Cemetery Association, expressed, as a representative of the owner, that the Cemetery Association is very happy to be submitting the recommendation for National Register nomination.

Mr. LaRue stated that the Board is unanimously in favor of having the Cemetery on the National Register and is very pleased with the work of Mr. Christensen.

Motion: Prebys (second: Lindsay) moved to **Resolve by The Historic District Commission of the City of Ypsilanti:**

**WHEREAS,** the City of Ypsilanti is a Certified Local Government (CLG), and is responsible for supporting the National Register of Historic Places (National Register) nomination process; and

**WHEREAS,** each commissioner has read the draft National Register nomination for Highland Cemetery, and visited the site;

**NOW THEREFORE BE IT RESOLVED THAT,** the Ypsilanti Historic District Commission finds that Highland Cemetery is significant under National Register Criteria A and C, and meets the National Register standards of integrity, as defined in National Register Bulletin 15.

**BE IT FURTHER RESOLVED THAT,** the Ypsilanti Historic District Commission supports listing Highland Cemetery in the National Register of Historic Places.

Approval: Unanimous. Motion carried.

### **213 Pearl**

*\*Exterior renovations - including paint, siding, trim, and door.*

Applicant: Gerald Evans, owner- present; Bill Lucas, contractor- present

Discussion: Davis: Asked applicant to walk the Commission through the application.

Lucas: Indicated that the proposed work is for the rear and the side of the building which is across the street from the bus station and that the street side is not affected. Indicated that the plan is to replace and paint the door and to repair and replace the trim.

*[Discussion clarifying the application language as to proposed work]*

*[Commission reviewed paint swatches; discussion to clarify paint color and paint manufacturer]*

Lindsay: Asked if the blue will be the trim and if the grey is the primary.

Lucas: Stated that the door and the trim will be blue, with the building itself being grey.

Motion: Prebys (second: Schmiedeke) moved to approve and issue a certificate of appropriateness for the work at 213 Pearl for the work as specified in the application, dated May 1, 2019, including replacement of the door on the west elevation, repair and replacement of trim, and painting in "Soulful Grey" and "Cosmic Blue" as identified by Valspar paints.

Secretary of the Interior Standards:

#9 – Contemporary designs shall be compatible and shall not destroy significant original materials.

#10 – New work shall be removable.

Approval: Unanimous. Motion carried.

## 216 S Washington

*\*Window replacement.*

Applicant: Brett Mahaffey, contractor- present.

Discussion: Davis: Summarized the study item discussion which took place at the July 13<sup>th</sup> HDC meeting. Stated that the Commission had opportunity to look at the "test window" by the kitchen area that was replaced.

*[Discussion ensued to clarify the current application]*

Mahaffey: Indicated that the homeowner was unable to attend due to a personal emergency. Stated that he would like to first talk about the eleven windows *[reference materials]*.

Davis: Acknowledged. Asked applicant to talk about the eleven windows, not including these two *[reference photo materials]*.

Mahaffey: Stated that the two top upper attic bedroom windows *[reference photo materials]* would be the exact same grille pattern, same one-over-one ratio. Stated that the second-floor windows which are two-over-three would be kept the same with no grilles on the bottom. Stated that the upper grilles would be three-wide x two-high to match exactly. Stated that the windows over on the side would be matched that are in this bedroom here. Stated that they are one-over-one. Stated that they do not match the front but that they are in the same bedroom. Stated that they would do the same on the bottom left. Stated that it is a two-over-three grille pattern in the top sash only – nothing in the bottom. Stated that they would make everything look the same. Stated that they would not touch the exterior trim board, as was previously discussed. Stated that what was done at the test windows worked fine.

Prebys: Asked if the windows in the attic are going to be with low ends on top and bottom.

Mahaffey: Stated that they will look exactly like they do now, six-over-six.

Davis: Asked applicant to move to the lower left *[reference photo materials]*.

Mahaffey: Stated that the homeowner was quoted \$1,500 per opening for repair, and that there are two openings. Stated that one of the things that also came up is because they in-swing, there are storm windows on the outside. Stated that the homeowner would like to be able to open the windows. Stated that if they open the windows and they did get them repaired, there are still storm windows on the outside that they would not necessarily pull off. Stated that one of the storm windows shattered over the winter which is why there is plywood down there. Stated, so there's no storm window in that one *[reference photo materials]*. Stated that a gliding window could be an option to make it look similar. Stated that the same grille pattern could be done. Stated that another option could be a double casement window and then they would just swing outwards.

Rupert: Asked if the screen would be on the inside.

Mahaffey: Confirmed. Stated that there is no screen there now, just a storm window. Stated - so it would look the same now as well.

Lindsay: Stated that the casement might be more appropriate.

Rupert/Prebys: Acknowledged agreement.

Mahaffey: Stated that the glider window does open all the way and slides all the way in front of the other when you open it. Stated that you would not see multiple panes.

Lindsay: Stated that the grille pattern can be seen on the exterior on the casements and they open all the way.

*[Discussion continued re: casement/glider window options]*

Davis: Asked if the mullion would stay the same.

Mahaffey: Confirmed. Stated that it would look almost exactly with double casements. Stated - and with the gliders, too, except that you would have that dimensional about one-inch off.

Davis: Stated that it appears that the casement is the most appropriate option. Stated that the staff notes were helpful in noting "spoke with the owners in May and they are looking to replace these windows and not repair them...". Stated that a lot of back and forth has taken place about repair versus replacement. Stated that it is in the best interest of the property to think holistically and to do something that the homeowner is going to maintain and is going to want. Stated that he feels the material would be appropriate to the District.

Prebys/Schmiedeke/Lindsay/Rupert: Indicated agreement.

Motion: Prebys (second: Rupert) moved to approve and issue a certificate of appropriateness for work at 216 S Washington for the replacement of 13 windows, as identified in the application, with Renewal by Anderson in Red Rock brown, with the condition that glass area and grille patterns remain identical to the original windows. That includes replacement of the casements on the façade first story with similar casements.

Secretary of the Interior Standards:

#5 – Preserve distinctive features.

#6 – Replacements shall match original.

#9 – Contemporary designs shall be compatible and shall not destroy significant original materials.

Approval: Unanimous. Motion carried.

## **217 N River**

*\*Rear addition, new roof, solar array, and replacement of garage windows.*

Applicant: Gary Turner, under contract by owner- present; Dave Strenski, SolarYpsi

Discussion: Turner: Stated that an initial rough first draft is included in his application, trying to resolve all of the things that he would like to do with the property. Stated that the plan would be for a twenty-four by twenty-six-foot addition on the rear of the building, a two-story addition essentially extruding the roof line over that new addition in the back *[reference materials]* but stepping in the wall as it faces the existing house to create a reveal to differentiate. Stated that he would like to address an alternate floor plan to the first plan that he created, where he extended the main level bathroom to the south and created a small bump-out that is different than the elevations that have been presented. Stated that he has new elevation drawings to show what he would like to do and also show the solar array that is being proposed on the south side.

*[Passed out new materials to commissioners; discussion as to the details of the drawings and reason for the changes]*

Davis: Asked if this window here on the bottom is eliminated *[reference materials]*.

Turner: Stated that it has been eliminated on the south and moved to the west, same window.

*[Discussion continued as to the details of applicant's drawings and reasoning for changes]*

Davis: Asked if on the west elevation, the entirety would be smooth.

Turner: Stated that just the small part on the left and then return the two feet against the clapboard side would be differentiated. Stated - so that piece and the little bathroom bump-out would be the two pieces. Stated - I am just running that idea by you now. Stated that for his application, he would like to proceed with the clapboard everywhere except for that bathroom extension.

*[Discussion and review of reference materials continued]*

Davis: Summarized the study item discussion which took place at the July 13<sup>th</sup> HDC meeting. Asked to set aside the discussion involving the proposed smooth siding and start with windows. Asked - so on the west elevation, we have the one-over-one double hung Andersen Woodwright and then Andersen 400 series for the casement.

Turner: Stated that that would be in the attic. Stated that it is an awning window.

Davis: Stated that there is a note here that the 400-series is Fibrex. Asked if applicant wanted the Fibrex material or the vinyl.

Turner: Stated that he thinks it is the vinyl. Stated that it is a window he already owns. Stated that he thought that up in the attic in the back of the house, that it would maybe be okay; that it cannot be seen from the park.

Lindsay: Asked if it is vinyl clad wood or completely vinyl.

Turner: Stated that he is not sure.

Slagor: Stated that when staff looked it up, it was listed as vinyl clad.

*[Discussion and review of reference materials continued]*

Davis: Asked for commissioner thoughts as to the half-round galvanized gutters and downspouts.

Prebys: Stated - no problem.

Davis: Stated that that brings us to the roof. Stated that the Commission does not really have issues with the solar array, but more with the metal versus non-metal. *[Commissioners acknowledged agreement]*

Stated that the staff review notes indicate - "In polling other historic district commissions, staff found that generally, standing seam metal roofs were allowed only when 1) there was historic evidence of one being present, 2) the building has a shallow pitched roof that may require one, and 3) if there are numerous other buildings of the same age that show metal roofs were common. In staff's opinion, a standing-seam metal roof would not be appropriate for this house. However, because the building's roof is a front-gable, a metal roof may not have as great of an impact as it would on a hipped or side-gable building. If the HDC supports a metal roof on this building, staff recommends the applicant follow the guidelines established by the City of San Antonio, Texas (attached):

- i. Use panels that are 18-21" wide.
  - ii. Seams may be no more than 1-2" high.
  - iii. A crimped ridge seam should be used to be consistent with the historic appearances of metal roofs.
  - iv. A low-profile ridge cap with no vent or edge cap shall be used when a crimped ridge seam is not used.
  - v. The historic roof color or a standard galvalume roof color shall be used.
- Modern manufactured colors are not recommended. The HDC and applicant is to agree on the color."

*[Applicant provided a metal roof scrap sample for commissioner review – discussion: reference 405 Maple]*

Strenski: Stated that with the solar, you do not need rails with metal roofs. Stated that the blocks clamp right on to standing seam.

Turner: Stated - as opposed to the rail.

Davis: Asked - if I am out there standing looking at your house, which side.

Turner: Stated - left. Stated that on River when you are going north on River past the house, that you will see the south side but you are on the other side of the boulevard, kind of looking through the boulevard at the house, so it is not real visible. Stated that it is also very tall. Stated that as you are going southbound when you are next to the house, you would not see the solar panels.

*[Discussion re: metal roof appropriateness – precedence, roof protection/longevity]*

Prebys: Asked if applicant is looking for approval of all this now.

Turner: Confirmed. Stated that he would like to start demo and go right into building permits. Stated that he can always revisit some aspects; i.e., the smooth panel idea, which could be developed further and represented later.

Prebys: Asked - smooth panels on the sides, you mean.

Turner: Confirmed. Stated that right now for this application, he is hoping for approval tonight for the smooth panel on the bump-up for the bathroom.

Davis: Asked if the whole house would be metal roofed, not just the addition.

Turner: Confirmed.

Davis: Stated that he possibly would not have a problem approving the metal roof on the addition.

Prebys: Acknowledged agreement.

*[Discussion continued re: metal roof appropriateness for the house; discussion re: materials]*

Davis: Asked to move on to the siding.

Turner: Stated that he shows both the four-inch and six-inch bevel siding on the entire addition. Stated that he prefers the six-inch due to appearance and it is more economical to install.

Lindsay: Stated that the vertical panels, just the scale of them, as much as it may distinguish contemporary from historic, does not feel like they are relating back to anything that already exists.

*[Discussion continued - thoughts re: panel array, metal roof, window openings, differentiation, modern vs historic]*

Turner: Asked - so are you saying that you might consider it if it was all a panel system.

Lindsay: Stated that the preference would be to see a few different options.

Rupert: Stated that the tying in of the solar panels with the clapboards do not seem to be compatible.

*[Discussion continued – reference 412 High Street]*

Davis: Asked about just considering approval for the roof and then waiting for applicant to look into it more and decide on the siding.

Turner: Asked if approval could be considered on the six-inch clapboard siding, the window

proposed and the roof.

Davis: Asked if there had been agreement on the roof.

Turner: Stated that to have two different kinds of roofing would be challenging to interface and especially with the solar array plane.

Lindsay: Stated that if applicant were coming in wanting to match existing and bring the clapboard all the way exactly as it was and take this roof and extend it exactly all the way, we would no longer see the difference between the original and new addition.

*[Discussion continued re: roofing considerations]*

Davis: Stated that the siding which would be appropriate would be the six-inch Hardie board clapboard siding.

Rupert/Prebys: Acknowledged agreement.

Rupert: Stated – smooth side out.

Turner: Acknowledged.

Davis: Asked – all in white, not changing the color.

Turner: Stated - everything is white until I know — I might come back with an amended color and that might affect the windows and those colors.

Schmiedeke: Stated that this is a Queen Anne house. Stated that it would never have been white.

*[Discussion continued re: color considerations]*

Turner: Stated that there will also be a discussion about restoration of the existing home at a later time. Stated that on his revised elevations, he shows proposing to remove the aluminum on the front porch, soffit, fascia, post, beams and around the front door. Stated that there are structural issues on the beams. Stated that he is proposing to remove that aluminum and nothing else and restore that on the front porch. Stated that if that is too much to amend right now, that he could come back with that.

Davis: Stated that applicant's drawings will be submitted.

*[Procedural discussion ensued]*

Turner: Stated that on the site plan, he noted the windows that he would like to replace on the garage. Stated that they are proposed to be casements, non-operable.

*[Discussion re: garage replacement windows]*

Motion: Lindsay (second: Rupert) moved to approve and issue a certificate of appropriateness for work at 217 N River for a 26'x26' addition to the west elevation, new roof, and solar panels. The addition is to be built per spec from the drawings submitted August 13, 2019; including a grey parged foundation, HardiePanel siding, half round gutters, a standing-seam metal roof, Woodwright windows, Velux skylights, vertically oriented glass panels, and Douglas fir doors. The standing-seam metal roof shall be 16" wide panels, crimped seams no more than 2" high, a low-profile ridge cap with no vent or edge cap, and finished in galvalume. The solar array is to be placed on the south slope and built to spec. Garage windows to be replaced as cited in the original site plan. The removal of aluminum cladding on the front porch and door is allowed per the drawings submitted August 13, 2019.

Secretary of the Interior Standards:

#3 – Do not imitate earlier styles.

#9 – Contemporary designs shall be compatible and shall not destroy significant original materials.

Approval: Yea: Lindsay, Rupert, Prebys  
Nay: Schmiedeke, Davis  
Motion carried.

## **STUDY ITEMS**

**116-118 W Michigan**- Applicant left before end of the meeting. Project not discussed.

## **ADMINISTRATIVE APPROVALS**

**8 N River**  
**208 Olive**

Motion: Rupert (second: Prebys) moved to accept the administrative approvals for 8 N River and 208 Olive, both for roof replacement.

Approval: Unanimous. Motion carried.

## **OTHER BUSINESS**

### **Property Monitoring**

#### **302 E Cross**

Schmiedeke: Discussed lack of repair progress. Staff will make contact.

#### **206-210 N Washington**

Davis: Discussed the City's acquirement of the property.

#### **400 N River**

Rupert: Acknowledged and discussed the progress of the work.

**Commissioner Comments**- none

**AUDIENCE PARTICIPATION ON NON-AGENDA ITEMS**—none

## **HOUSEKEEPING BUSINESS**

### **Approval of the minutes of July 23, 2019**

Motion: Rupert (second: Schmiedeke) moved to approve the minutes of July 23, 2019 as submitted.

Approval: Unanimous. Motion carried.

## **ADJOURNMENT**

Chairperson Davis adjourned the meeting, citing the end of the agenda with no further items to discuss.

**MEETING ADJOURNED at 8:57 p.m.**

Full Minutes Prepared By: Nancy Hare-Dickerson

4x8 VERT FIBER CEMENT  
SMOOTH PANELS @  
BATHROOM FIRST FLOOR

SOLAR PANEL ARRAY  
SOLARWORLD 300 W  
23 PANELS TOTAL

Submitted to HDC at 8/13/2019  
Meeting



ADDITION ——— EXISTING

Ⓐ SOUTH ELEVATION  
1/4" = 1'-0"

ANDERSON 400 SERIES  
42" x 42" CMNT, WHITE

16" O.C. METAL SALES  
STANDING SEAM ROOF'G  
TYPICAL, GALVALUME  
COLOR/FINISH

ANDERSON WOODWRIGHT  
WDH 24410 WHITE

HARDI-PANEL BEVEL  
SIDING, 6" EXP. TYP.,  
1x4 BORAL TRIM,  
HISTORIC GILL, WHITE

3'-0" x 7'-0" FULL-LITE  
DOUG FIR DOORS, NATURAL  
FINISH

GRAY PIGMENTED  
PAVING @ FOUND

ANDERSON  
WDS 2452  
WHITE, TYP.  
@ LOWER  
LEVEL

FIBER CEMENT  
SMOOTH PANEL

Ⓐ WEST ELEVATION  
1/4" = 1'-0"



REMOVE EXISTG. ALUM.  
WRAP @ FRONT DOOR,  
SIDELITES, AND ADJ.  
WALLS, RESTORE, PAINT.

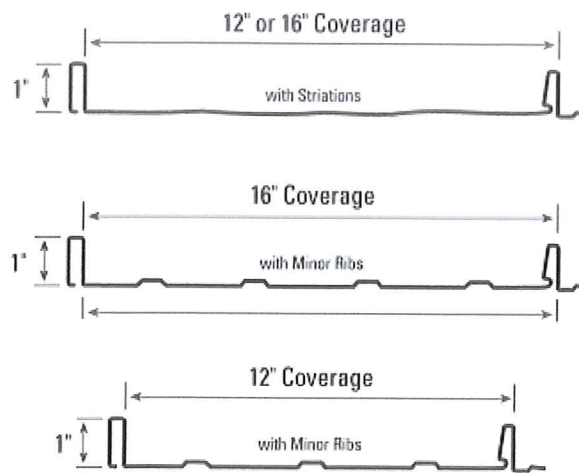
REMOVE EXISTG. ALUM.  
WRAP @ SOFFITS/  
FASCIA/BESM, RESTORE  
WOOD, PAINT AS NEEDED.

REMOVE EXISTG. ALUM.  
WRAP @ POSTS, RESTORE  
WOOD, PAINT AS NEEDED.



EAST ELEVATION  
1/4" = 1'-0"





## Example Projects



## Image II™

**Panel Coverage:** 12", 16"

**Rib Height:** 1"



**Standard Gauge(s):** 26 ga.

**Optional Gauge(s):** 24 ga.

Like all Standing Seam Roof panels, Image II™ delivers a clean, linear elegance paired with unmatched quality for a dependable, long-lasting and beautiful roof. As a direct concealed-fastened option, Image II™ provides the benefit of the same great look at a more economical price.

**Available Substrate(s):** Solid Substrate

**Fastener(s):** Standing Seam Roof, Concealed Fastened

**Standard Finish(es):** PVDF (Kynar 500®), MS Colorfast45®, Acrylic Coated Galvalume®

**Minimum Slope Requirement:** 3:12

### Other Notes:

- Applies over solid substrate with 30# felt underlayment
- Contact Metal Sales for load-carrying capabilities

## Related Resources

Testing & Approvals

Warranties



3-Part Specification Guide  
Editable Word Document File

[Download Word Doc](#)



## AutoCAD Drawings

Zipped DWG Files AutoCAD 2000 version or newer

 [Download AutoCAD Drawings](#)



## Condensed Technical Reference Sheet

Panel Overview, Section Properties, Attachment Details

 [Download PDF](#)



## Installation Guide

Step by Step Guide for Installing Image II Panel

 [Download PDF](#)



## Image II



## Product Manual

Complete Product Details

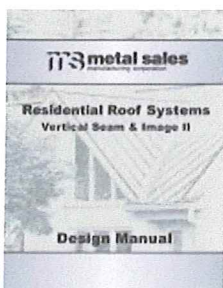
 [Download PDF](#)



## Specification Data Sheet

Panel-Specific Technical Data Sheet

 [Download PDF](#)



## Residential Design Guide

Residential Install Guide Image II & Vertical Seam

 [Download PDF](#)

2017 FBC Approved: Image II, 26 ga over 1/2" plywood 11560.4

2017 FBC Approved: Image II, 26 ga over 5/8" plywood 11560.5

2017 FBC Approved: Image II, 26 ga over 7/16" OSB 14645.12

ICC-ES Evaluation Report - ESR-2385

Miami-Dade County, Florida, NOA 14-0107.04, expiration date 08/08/2018

Texas Windstorm Evaluation RC-162

Texas Windstorm Evaluation RC-399

UL 2218 Class 4 Impact Resistance

UL 263 Fire Resistance Rating

UL 580 Class 90 Wind Uplift Construction #529

UL 790 Class A Fire Resistance Rating

[Understanding Testing & Approvals \(/residential/resources/testing-approvals\)](/residential/resources/testing-approvals)



25-Year Galvalume Warranty

 [Download Warranty\\_\(PDF\)](#)



Finish Warranty / MS Colorfast45

 [Download Warranty\\_\(PDF\)](#)



PVDF Fluorocarbon System Warranty

 [Download Warranty\\_\(PDF\)](#)

## Installation Video

Metal Sales Image II Installation How To



FOR MORE METAL SALES VIDEOS, VISIT  

## Standing Seam Panels (Non-Structural)

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These economical Standing Seam Panel options provide a clean, linear elegance paired with superb quality. They have higher slope requirements than their Structural Standing Seam counterparts, and are installed over a solid substrate. Like all Standing Seam panels, the profiles in this series feature:

- Thicker gauge substrate for superior structural strength & durability
- Installed with concealed clips to allow for thermal movement
- Accommodate blanket insulation for enhanced thermal efficiency
- Highest wind, fire & impact resistance of any roof option

## Sub-Heading

### Metal Roof Systems

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PRODUCTS

SOLARWORLD SUNMODULE PLUS SW300 MONO 300W SOLAR PANEL

SOLAR PANEL KITS

- ROOF TOP
- GROUND MOUNT
- TOP OF POLE MOUNT KITS

SOLAR PANELS

- MONOCRYSTALLINE
- POLYCRYSTALLINE

INVERTERS

- MICRO
- STRING
- HYBRID
- BATTERY BASED
- EV CHARGING
- PRE-WIRED SYSTEMS
- EXTENDED WARRANTIES

INVERTER MONITORING

- DATA LOGGERS
- GATEWAYS
- METERS
- DISPLAYS
- CONTROLLERS
- COMMUNICATIONS CARDS
- MONITORING CABLES
- MONITORING KITS
- SENSORS

MONITORING ACCESSORIES

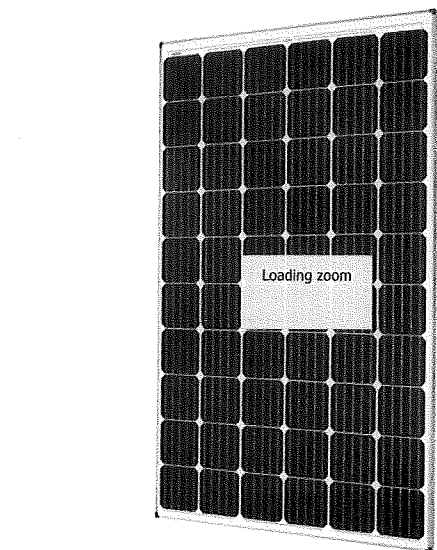
MONITORING SERVICE

INVERTER ACCESSORIES

- ELECTRIC BOARDS
- OPTIMIZERS
- TRUNK CABLES
- ADDITIONAL COMPONENTS

BALANCE OF SYSTEMS

- ADAPTERS
- BATTERY BOS
- BLOCKS
- BUSBARS
- CIRCUIT BREAKERS
- CLIPS
- COMBINER BOXES
- CONNECTORS



PRODUCT DESCRIPTION

SOLARWORLD 300W MONO SOLAR PANEL - SUNMODULE PLUS - SW300 MONO

SolarWorld, 300W PV Module BAA, H4, PV Wire, 33mm Clear 4.0 Frame, 60 Large-Format Cell Mono, 25A Fuse, 5BB, 1000VDC, 273.1W PTC, 82000244, SW300 MONO

The SolarWorld Sunmodule Plus (SW300 MONO) solar panel comes with clear on black components. The Sunmodule Plus meets SolarWorld's stringent quality standards and exceeds all industry standards and certifications. The SW300 MONO also carries SolarWorld's 25-year linear warranty to guarantee maximum performance through the lifetime of your system, they've received 3rd party validation of their performance and reliability.

The Sunmodule Plus SW300 MONO delivers world-class quality, high system efficiency, and a 25 year linear performance guarantee with an extension of the prod warranty to 10 years. The Sunmodule Plus's modern appearance and quality design are built to last.

SW300 MONO has an optimized surface structure: The proprietary surface coatings and granular texture of the Sunmodule's front glass create two effects: the reduction of the light reflected from the outside (air-glass interface) and the internal trapping of the light reflected from the solar cells in the module (light-trapping). These two effects combine to make an highly efficient and high performance PV module. SolarWorld Sunmodules have passed the most severe IEC 61701 salt sp test conditions proving their resistance to salty air which makes them ideally suited for installation in coastal area.

Features

- World Class Quality** - Fully-automated production lines and seamless monitoring of the process and material ensure the quality that the company sets as its benchmark for its sites worldwide.
- SolarWorld Plus-Sorting** - Plus-Sorting guarantees highest system efficiency. SolarWorld only delivers modules that have greater than or equal to the nameplate rated power.
- Stable and Secure Investment** - SolarWorld guarantees a maximum performance digression of 0.7% p.a. in the course of 25 years, a significant added valu compared to the two-phase warranties com~mon in the industry, along with our industry-first 10-year product warranty.\*

| General Information                |                        |
|------------------------------------|------------------------|
| Manufacturer:                      | SolarWorld             |
| Product Line:                      | Sunmodule              |
| Model ID:                          | SW300 MONO             |
| Compliance:                        | Buy American Act (BAA) |
| Certifications and Safety Ratings: |                        |
|                                    |                        |
| Mechanical Data                    |                        |
| Technology:                        | Monocrystalline (Mono) |

**SOLARWORLD**  
MSRP: ~~\$589.00~~  
**\$280.80**  
(YOU SAVE \$308.20)

SKU: SLR-110-1011

Note: Out of Stock

Condition: New

Weight: 39.70 LBS

Shipping: Calculated at checkout

Unavailable. See manufacturer for similar products.

- Buy 4 - 23 and get 2% off
- Buy 24 or above and get 5% off

- DISCONNECTS
- FUSES
- FUSE HOLDERS
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- PANELS
- RAPID SHUTDOWNS
- SURGE DEVICES
- WIRING
- ELECTRICAL ACCESSORIES
- RACKING AND MOUNTING
  - RAILS
  - FLASHINGS
  - SPLICE KITS
  - STOPPER SLEEVES
  - ATTACHMENTS
  - BRACE ASSEMBLY
  - BASE MOUNT
  - BRACKETS
  - BOLTS
  - CLAMPS
  - CAPS
  - L-FEET
  - WASHERS
  - SKIRT
  - LUGS
  - TILT LEGS
  - HOOKS
  - STAND-OFFS
  - BALLAST BAY
  - TOP OF POLE MOUNT
  - SIDE OF POLE MOUNT
  - GROUND MOUNT KITS
  - ROOF MOUNT KITS
  - RV RACKING
  - MULTI-POLE MOUNT
  - ADJUSTABLE RACKS
  - TRACKERS
  - WIRE MANAGEMENT
- BATTERIES
  - LITHIUM-ION
  - AGM
  - BATTERY SYSTEMS
  - FLOODED
  - GEL
  - INDUSTRIAL
- BATTERY ACCESSORIES
  - CABLES
  - ENCLOSURES

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Dimensions:       | 65.95 x 39.40 x 1.30 inches (SW300 MONO Dimensions) |
| Weight:           | 39.70 lbs                                           |
| Front Glass:      | Low Iron Tempered Glass with ARC (EN 12150)         |
| Cells:            | 60 Mono Large Cells 5-Busbar                        |
| Frame:            | Anodized Aluminum (Clear)                           |
| Back Sheet:       | (White)                                             |
| Module Connector: | PV Wire per UL4703 with H4 Connectors               |
| Junction Box:     | IP65                                                |
| Output Cables:    | PV Wire                                             |

| Electrical Data                     |               |
|-------------------------------------|---------------|
| Nominal Maximum Power (Pmax):       | 300 Watts     |
| Open Circuit Voltage (Voc):         | 40.10 Volts   |
| Maximum Power Point Voltage (Vmpp): | 31.60 Volts   |
| Short Circuit Current (Isc):        | 10.23 Amps    |
| Maximum Power Point Current (Impp): | 9.57 Amps     |
| Maximum Reverse Current:            | 25 Amps       |
| Operating Temperature:              | -40°C + 85°C  |
| Module Efficiency:                  | 17.89%        |
| Maximum System Voltage:             | 1000V         |
| Power Sorting:                      | -0 Wp / +5 Wp |

| Datasheets                                                                                                                          |                                               |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Document                                                                                                                            | Type                                          |
|  SolarWorld Sunmodule Plus SW300 MONO Specs        | Specifications                                |
|  SolarWorld Sunmodule Plus SW300 MONO Installation | Installation Guide                            |
| Warranty                                                                                                                            | 10 Year Extended Product Workmanship Warranty |
| Performance Guarantee                                                                                                               | 25 Year Linear Performance Guarantee          |
|  SolarWorld Sunmodule Plus SW300 MONO Warranty     | Warranty                                      |

| Terms & Conditions |                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Shipping:          | Shipping Policy                                                                                                                         |
| Returns:           | Returns Policy                                                                                                                          |
| Payments:          | We accept: Visa, MasterCard, Discover, and American Express. We also accept checks, direct deposit and wire transfers for large orders. |

SolarWorld - SolarWorld Sunmodule Plus SW300 MONO 300W Solar Panel  
Price: 280.8  
Condition: new

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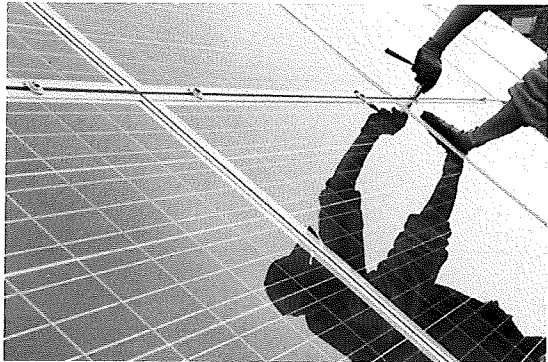
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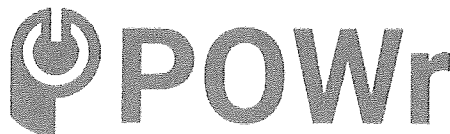


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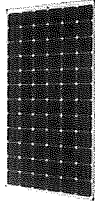
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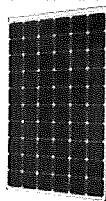
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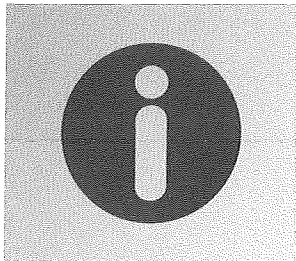
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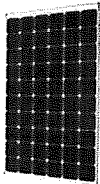
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