

# Wall-Mount Solar Shield



**HOFFMAN**



- Effective way to reduce solar heat gain
- Protect critical components inside an enclosure from overheating
- Provide extra weather protection from rain and snow
- Off-the-shelf solution with standard sizes available for fast delivery

## SOLAR TESTING RESULTS

Solar testing was performed to compare the shielding effect on internal temperature rise between two identical enclosures; one was shielded by the Solar Shield and the other was unshielded and exposed to direct sunlight. One set of enclosures faced south and the other faced north. The internal temperature was measured at the center of each enclosure.

The test result has shown that the Wall-Mount Solar Shield can provide approximately a 56% reduction in temperature rise due to solar heat load.



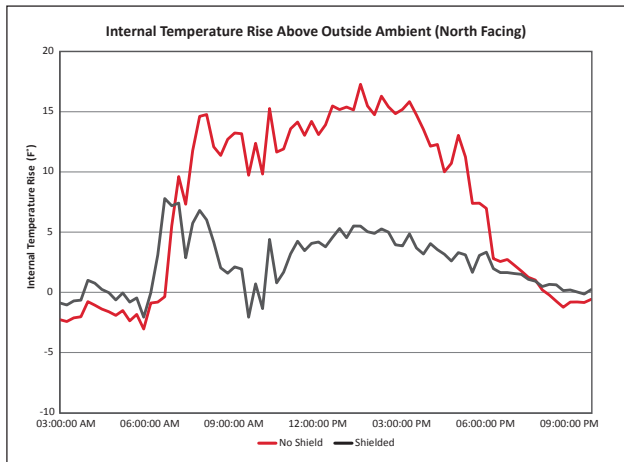
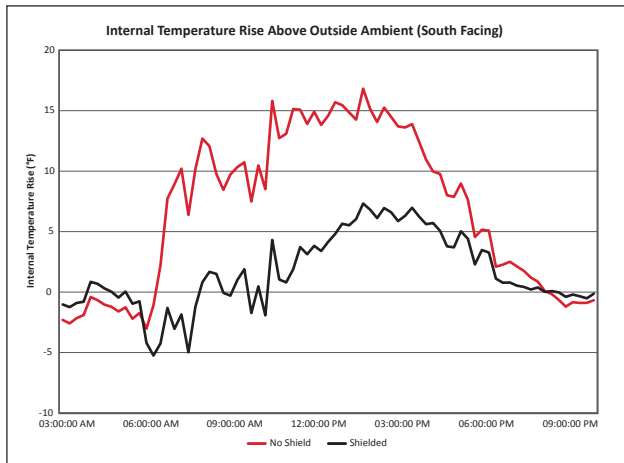
Illustration of the test set-up. The enclosures used were Concept model CSD20208 (20x20x8 in.) in ANSI 61 gray. The internal air temperature was recorded in the center of each enclosure.

## UNSHIELDED VERSUS SHIELDED

Enclosure (Color: ANSI 61 Gray)	Temperature rise (F/C)	Temperature reduction (%)
South facing without solar shield	16.8/9.35	56
South facing with solar shield	7.3/4.07	
North facing without solar shield	17.3/9.60	68
North facing with solar shield	5.5/3.06	

Outside Temperature = 85.8 F/29.89 C  
 Test date: June 27, 2015

## HOFFMAN WALL-MOUNT SOLAR SHIELD



### KEY BENEFITS

- Cost-effective way to reduce internal temperature rise in an enclosure
- Provide weather protection against rain, sleet and snow
- Patent-pending design with flexible mounting channels to fit enclosures of various sizes or mounting methods
- Simple and easy to install; no drilling necessary

### SPECIFICATIONS

- 14 gauge galvanized steel, painted white
- Four-sided shield (top, sides and rear)
- Adjustable mounting allows various wall-mount enclosures to fit inside the solar shield
- Fits most Concept, InLine, NEMA Type 4 wall-mount enclosures and junction boxes (i.e. Bulletins A51NF and A51FL)
- Includes hardware for mounting an enclosure to the solar shield
- UL 508A listed, Type 4 and 12

### STANDARD OFFERING AND MODIFICATION

- Five standard sizes
- HOFFMAN excels at modifying and customizing products to your specifications. Contact your local HOFFMAN sales office or distributor for complete information

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