

## DESCRIPTION

## PRODUCT COVERED:

Distributed Generation Power Systems Accessory Equipment - Photovoltaic Transition box.

USL - Evaluated to the requirements of the Standard for Safety for Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources, UL 1741, Second Edition, Dated January 28, 2010.

This description covers the Photovoltaic Transition box, Model Nos. 2106916-X, where X may be 1 or 2 (-1 indicates black enclosure and -2 indicates white enclosure), which includes the following components: Photovoltaic interconnection systems equipment and PV string over-current protection.

## ELECTRICAL RATINGS:

Model(s)	2106916-X
Maximum array system voltage (dc)	600 V
Rated output current - (dc)	100 A
Rated input current - (dc)	20 A
Maximum Input (PV module) short circuit current per string (Isc) (dc) (1)	12.8
Number of input circuits	5

(1) This value indicates input current without the multiplying factors of NEC articles 690.8(A) (1) and 690.8(B) (1) applied.

Other ratings	
Maximum Air Ambient (°C)	70 °C
Enclosure Ratings	NEMA 3

## ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Special Considerations - The following items are considerations that were made in the evaluation of this product.

The equipment was submitted by the manufacturer for use in a maximum air ambient of 70 °C.

The transition box model 2106916-X is intended to be mounted upright and secured through the bolt holes provided in the base.

The transition box model 2106916-X has been judged on the basis of the required spacings in the First Edition of the Standard for Inverters, Converters and Controllers for Use in Independent Power Systems, UL 1741, dated May 7, 1999 including revisions dating to November 07, 2005.

The transition box Model 2106916-X has been evaluated for NEMA 3 for wet locations when mounted in all orientations with suitable wet location liquid-tight conduit fittings in the enclosure locations specified in the unit instruction manual (see Ill. 3) per local codes.