



Confirm line side voltage at electrical utility service entrance BEFORE connecting inverter and ensure proper operational range required by system inverter,

STRING TYPE #1
 Helene Module 72M-360Wp
 360 W X 13 = 4,680 W¹
 48.2 VDC X 13 X 1.12 = 702 VDC Max Per String²
 9.13 ADC X 1.25 X 1.25 = 14.3 ADC Max Per String³

STRING TYPE #2
 Helene Module 72M-360Wp
 360 W X 12 = 4,320 W¹
 48.2 VDC X 12 X 1.12 = 648 VDC Max Per String²
 9.13 ADC X 1.25 X 1.25 = 14.3 ADC Max Per String³

STRING DATA KEY NOTES
¹ Standard Test Conditions (STC)
² Per 2014 NEC Table 690.7 (-16°F)
³ Per 2014 NEC 690.8

ALL EXTERIOR MOUNTED COMBINERS, JUNCTION BOXES, TROUGHS, DISCONNECTS, ETC. SHALL BE MIN. NEMA 3R RATED

CABLE LEGEND				
DXT. LD.	WIRE SIZE/QTY.	CONDUIT SIZE/QTY.	APPROX. LENGTH	GENERAL COMMENTS
(2)	10AWG PV WIRE	FREE-AIR	25' MAX.	FACTORY CABLE ABLY.
	ADD "G1" AS REQ'D			
(4)	10AWG THWN-2	1"	25'	CONTAINS GND. WIRE
(1)	8AWG THWN-2 GND.			
(4)	8AWG THWN-2	1 1/2"	25'	CONTAINS GND. WIRE
(1)	8AWG THWN-2 GND.			
(4)	12AWG THWN-2	2 1/2"	150'	CONTAINS GND. WIRE
(1)	8AWG THWN-2 GND.			
(1)	8AWG BARE	FREE-AIR	AS REQD.	-

PROVIDE FLEXIBLE EMT (GREENWAY) OR RIGID EMT CONDUIT AT ALL INTERIOR INSTALLATIONS. PROVIDE PVC (SCH 80) CONDUIT FOR ALL EXTERIOR INSTALLATIONS. FIELD COORDINATE PRIOR TO ORDERING AND ROUGH-IN.

DATE: 1-19-17	WTP	LG	PROJECT: 1616.2	SCALE: NONE
CID:				
DW BY:				