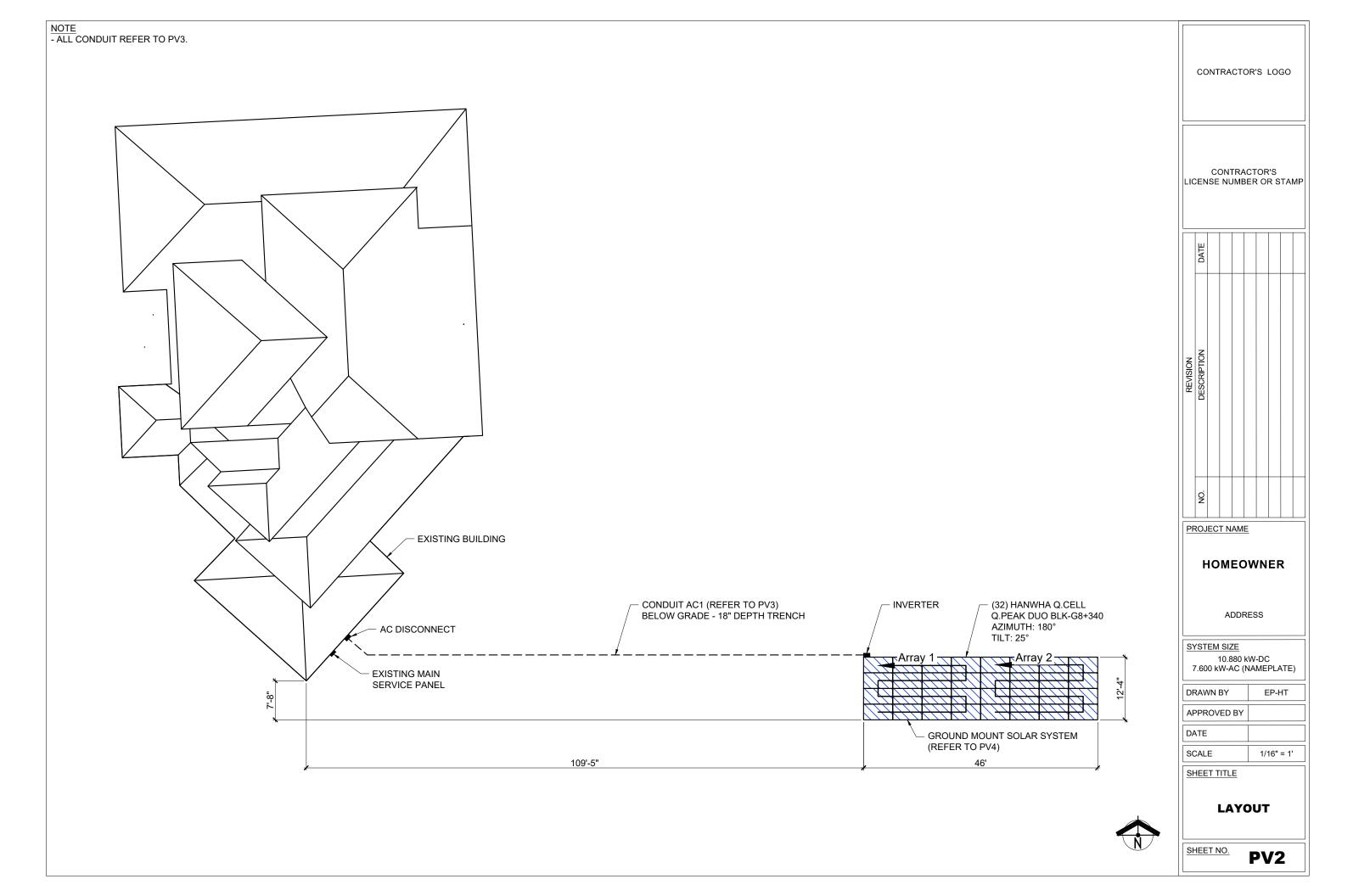
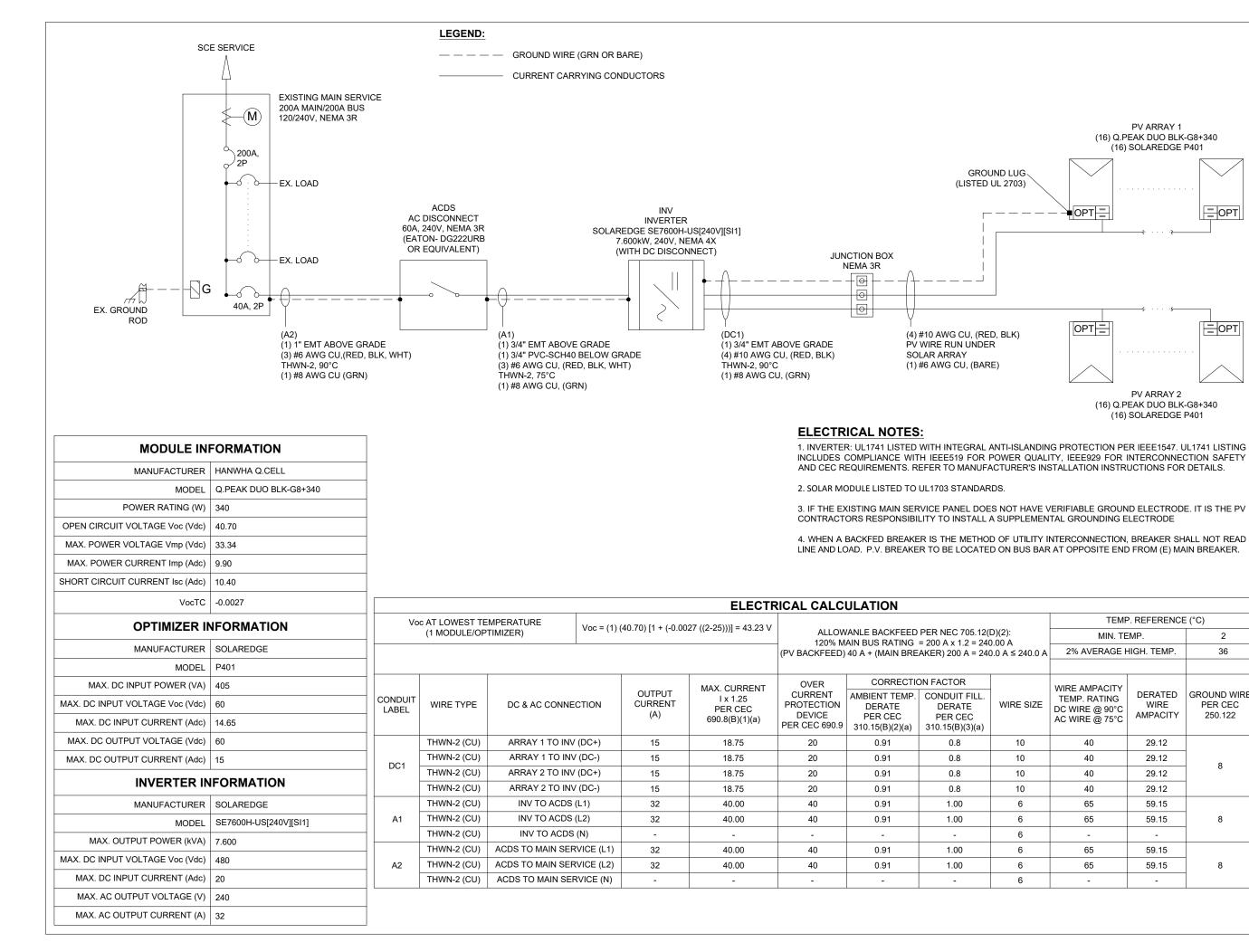
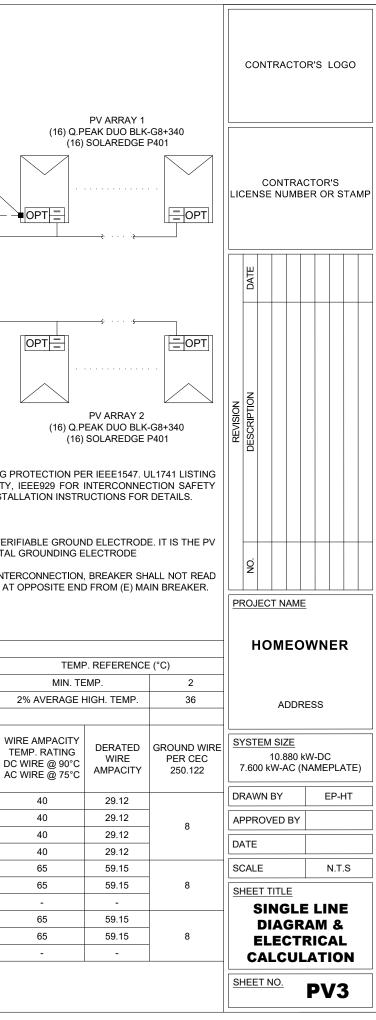
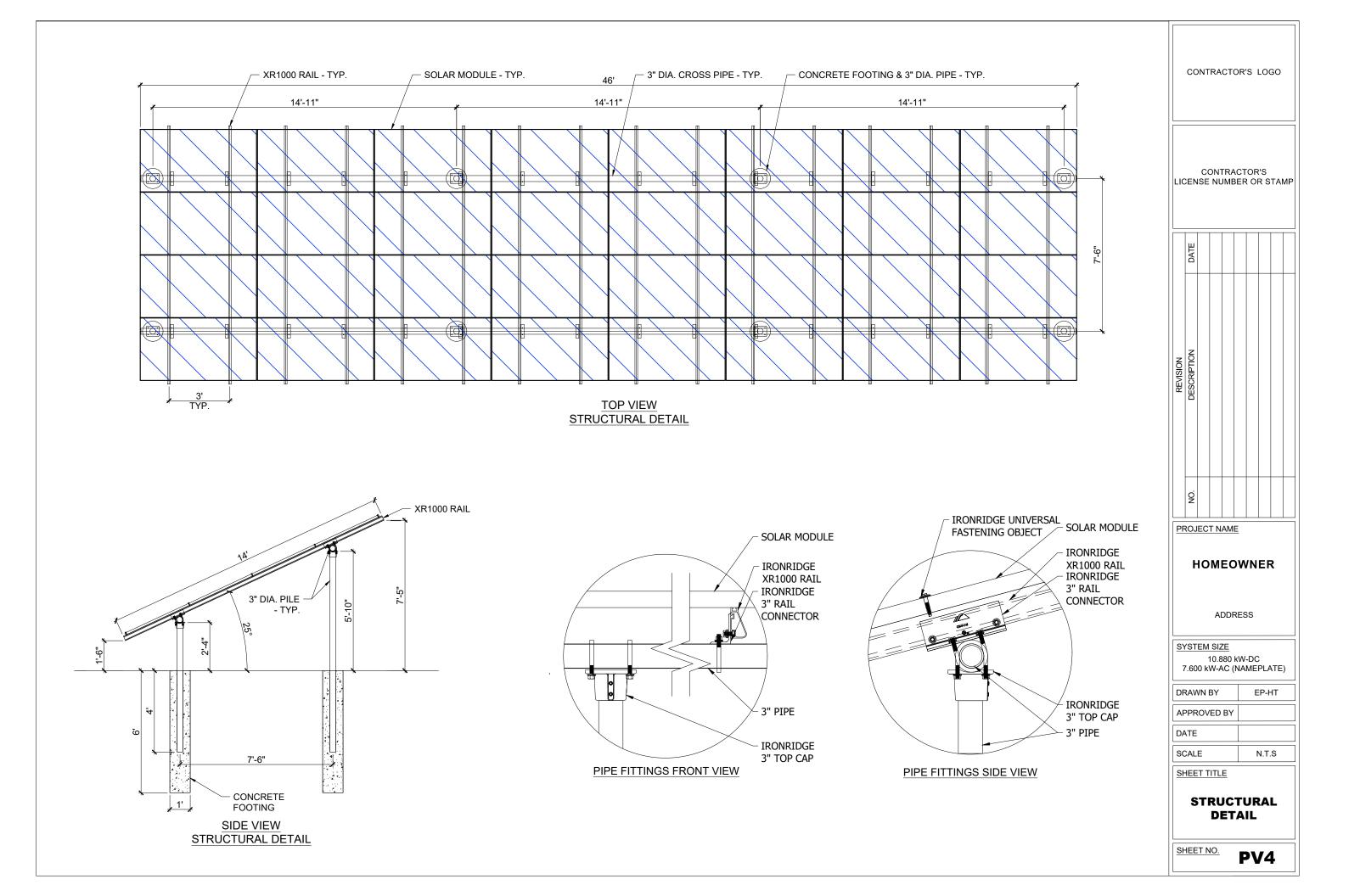
SOLAR POWER SYSTEM IN	<b>NSTALLATION FOR</b>	R	RESIDENCE
PROJECT DATA	SHEET IN	IDEX	SCOPE
PROJECT DATA:         BUILDING DATA:           MODULE:         (32) HANWHA Q.CELL Q.PEAK DUO BLK-G8+340, 340 Wp         CLASSIFICATION OCCUPANCY: R-3           OPTIMIZER:         (32) SOLAREDGE P401, 405 W         WIND SPEED:         100 mph           INVERTER:         (1) SOLAREDGE SE7600H-US[240V][SI1], 7.600 kW         WIND EXPOSURE:         C           RACKING:         IRONRIDGE         SNOW LOAD:         0 psf           SYSTEM CAPACITY: 10.880 kW-DC         FIRE SPRINKLER SYSTEM:         NO	PV1     COVER SHEET     S       PV2     LAYOUT     C       PV3     SLD & ELECTRICAL CACLS.     IN       PV4     STRUCTURE DETAIL     A	PPENDIX OLAR MODULE DATA SHEET OPTIMIZER DATA SHEET IVERTER DATA SHEET C DISCONNECT DATA SHEET TO ISCONNECT DATA SHEET	1. INSTALLATION OF SOLAR PHOTOVOL     GOVERNI     1. ALL WORKS TO COMPLY WITH 2019
7.600 kW-AC (NAME PLATE)	PV5 SIGNAGE & PLACARD S	TRUCTURAL DATA SHEET	2019 CALIFORNIA BUILDING CODE (C 2019 CALIFORNIA ELECTRICAL CODE CODE (CMC), 2019 CALIFORNIA PLUM GREEN CODE (CGC), 2019 CALIFORN 2019 CALIFORNIA GREEN BUILDING S
GENERAL NOTES		LIMITS OF	WORK
1. ALL EQUIPMENT SHALL BE LISTED AND LABELED BY A RECOGNIZED TESTING LABORATORY AND AND INSTALLED PER THE LISTING REQUIREMENT AND THE MANUFACTURER'S INSTRUCTIONS, CEC110.2, 110.3, 690.4(B) AND 390.12(5).			
2. ALL PANELS, SWITCHES, ETC. SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS IN COMPLIANCE TO UL REQUIREMENTS TO ACCOMMODATE CONDUCTORS SHOWN.			
3. ALL ELECTRICAL MATERIAL SHALL BE LISTED BY "UL" FOR THE TYPE OF APPLICATION AND "UL" LABEL SHALL APPEAR ON ALL ELECTRICAL EQUIPMENT.			
4. ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT INCLUDING THOSE THAT ARE EXPOSED TO OUTSIDE ENVIRONMENT SHALL BE WEATHERPROOF TYPE NEMA 3R.			
5. ALL CONDUCTORS EXPOSED TO WEATHER SHALL BE LISTED AND IDENTIFIED FOR USE IN DIRECT SUNLIGHT, CEC310.10(D) AND 6931(C) THROUGH (G).			
6. ALL GROUNDED, (NEUTRAL), CONDUCTOR'S INSULATION SHALL BE SOLID WHITE, GRAY, OR 3-WHITE STRIPES; AND ALL GROUNDING CONDUCTORS SHALL BE OF BARE WIRE WITHOUT COVERING, OR WITH INSULATION OF GREEN OR GREEN WITH YELLOW STRIPES. THE COLOR OF UNGROUNDED CONDUCTOR SHALL BE OTHER THAN FOR GROUNDED, (NEUTRAL), AND GROUNDING CONDUCTORS.			
7. CONTRACTOR SHALL EXTEND WIRING FROM ALL JUNCTION BOXES, SWITCHES, ETC. AND MAKE FINAL CONNECTIONS AS REQUIRED TO ALL BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.		I J J J J J J J J J J J J J J J J J J J	GROUND MOUNT SOLAR SYSTEM
8. WHERE WIRE SIZES ARE INDICATED ON PLANS FOR INDIVIDUAL CIRCUITS, THE WIRE SIZE INDICATED SHALL APPLY TO THE COMPLETE CIRCUIT, UNLESS OTHERWISE NOTED.			
9. DISCONNECT SWITCHES SHALL BE MOUNTED ON INDIVIDUAL SUPPORTS, OR OTHERWISE DIRECTLY ON EQUIPMENT, PROVIDED NO MODIFICATION TO EQUIPMENT IS NECESSARY.		₩ <b>-</b>	
10. WIRING METHOD SHALL BE EMT ABOVE GROUND MOUNTED IN CONCEALED SPACES (UNLESS APPROVED OTHERWISE) AND SCHEDULE- 40 PVC FOR BELOW GROUND INSTALLATION UNLESS NOTED OTHERWISE.			
11. ALL CONDUIT TO USE WEATHER TIGHT EXPANSION FITTINGS.			
12. ALL EXTERIOR CONDUITS SHALL BE PAINTED TO MATCH THE COLOR OF THE SURROUNDING AREA.			
13. A LADDER WILL BE IN PLACE FOR INSPECTION IN COMPLIANCE WITH OSHA REGULATIONS.			
14. EXISTING PLUMPING VENTS, SKYLIGHTS, EXHAUST OUTLET, & VENTILATION INTAKE AIR OPENINGS SHALL NOT BE COVERED OR BLOCKED BY THE SOLAR PHOTOVOLTAIC SYSTEM		VICINITY	MAP Ro
15. DUE TO THE FACT THAT PV MODULES ARE ENERGIZED WHENEVER EXPOSED TO LIGHT, PV CONTRACTOR SHALL DISABLE THE ARRAY DURING INSTALLATION AND SERVICE BY SHORT CIRCUITING, OPEN CIRCUITING, OR COVER THE ARRAY WITH OPAQUE COVERING.		ment	
16. THESE DRAWINGS ARE REPRESENTATIVE OF THE SCOPE AND NATURE OF WORK. IT IS NOT GUARANTEED TO REPRESENT EXACT FIELD CONDITIONS AND DIMENSIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY FIELD DIMENSIONS AND TO COORDINATE THE WORK WITH THAT OF THE CONSTRUCTION MANAGER.		11 N To valco Rd	
17. THE LAYOUT OF THE CONDUIT SHOWN IN THIS DRAWING PACKAGE IS INDICATIVE ONLY. THE INSTALLATION CONTRACTOR WILL BE RESPONSIBLE FOR FIELD ROUTING AND LOCATING ALL CONDUITS TO SUIT SPECIFIC SITE CONDITIONS. THE CONTRACTOR WILL COORDINATE ALL LOCATIONS WITH THE OWNER/GENERAL CONTRACTOR AND ANY OTHER TRADES THAT THE NEW ROUTING MAY AFFECT.	Calabo Ra	Colt	
		May Automotive Performance	
	K-9 Companions		
	and the second se		

E OF WORK		~~~	NITI		OT		<b>C</b>			
OLTAIC SYSTEM		CO	NTI	RA		UR'	51	LUC	50	
NING CODES	-									
9 CALIFORNIA RESIDENTIAL CODE (CRC),										
(CBC), 2019 CALIFORNIA FIRE CODE (CFC), DE (CEC), 2019 CALIFORNIA MECHANICAL JMPING CODE (CPC), 2019 CALIFORNIA RNIA ENERGY CODE (CEnC), 3 STANDERS CODE (CGC)	LIC	EN					OR		TAN	ИР
		DATE								
		DA								
	REVISION	DESCRIPTION								
		g								
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		Н	0	МІ	EC	w	/N	EF	ł	
John RA				A	DDF	RES	s			
		/ST 7.60	1	0.8	80		-DC MEI		TE	)
Cajalco Rd	DF	RAW	/N E	3Y			E	P-F	IT	
Gavilan Ad	AF	PPR	OVI	ED	ΒY					
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Gavilan Rd	SH	IEE	ΤN	0.		F	<b>&gt;\</b>	/1		









# WARNING: PHOTOVOLTAIC POWER SOURCE

- INSTALL LOCATION: CONDUIT - WHITE LETTERING, RED BACKGROUND - MATERIAL: REFLECTIVE, PREMIUM OUTDOOR VINYL WITH FILM LAMINATION

🛦 WARNING 🛦 INVERTER OUTPUT CONNECTION DO NOT RELOCATE THIS OVERCURRENT DEVICE

- INSTALL LOCATION: MAIN SERVICE, SUB PANEL - WHITE LETTERING, RED BACKGROUND - MATERIAL: PREMIUM OUTDOOR VINYL WITH FILM LAMINATION

# A WARNING A **ELECTRIC SHOCK HAZARD**

DO NOT TOUCH TERNINALS TERNINALS ON BOTH THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

- INSTALL LOCATION: AC DISCONNECT

- WHITE LETTERING, RED BACKGROUND - MATERIAL: PREMIUM OUTDOOR VINYL WITH FILM LAMINATION

# PHOTOVOLTAIC SYSTEM AC DISCONNECT **RATED AC OUTPUT CURRENT 40 AMPS** AC NORMAL OPERATING VOLTAGE 240 VOLTS

- INSTALL LOCATION: AC DISCONNECT - WHITE LETTERING, RED BACKGROUND

- MATERIAL: PREMIUM OUTDOOR VINYL WITH FILM LAMINATION

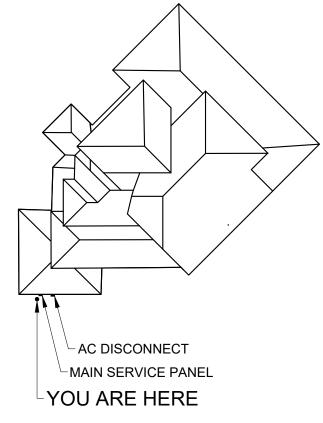
# PHOTOVOLTAIC SYSTEM **INVERTER** RATED MAX POWER - POINT CURRENT: 20 A RATED MAX POWER - POINT VOLTAGE: 380 V SHORT CIRCUIT CURRENT: 30 A MAXIMUM SYSTEM VOLTAGE: 480 V

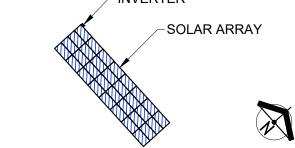
- INSTALL LOCATION: INVERTER - WHITE LETTERING, RED BACKGROUND

- MATERIAL: REFLECTIVE. PREMIUM OUTDOOR VINYL WITH FILM LAMINATION

# WARNING

POWER TO THIS BUILDING IS ALSO SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECTS LOCATED AS SHOWN





ADDRESS:

- INSTALL LOCATION: MAIN SERVICE PANEL

- WHITE LETTERING, RED BACKGROUND

- MATERIAL: ACRYLIC WITH UV RATED POLYMER AND FULL ADHESIVE BACKING

-INVERTER

CONTRACTOR'S LOGO CONTRACTOR'S LICENSE NUMBER OR STAMP REVISION ESCRIPTION PROJECT NAME HOMEOWNER ADDRESS SYSTEM SIZE 10.880 kW-DC 7.600 kW-AC (NAMEPLATE) DRAWN BY EP-HT APPROVED BY DATE SCALE N.T.S SHEET TITLE SIGNAGE & PLACARD

SHEET NO. PV5



#### **MECHANICAL SPECIFICATION**

Format	68.5 × 40.6 × 1.26 in (including frame) (1740 × 1030 × 32 mm)
Weight	43.9 lbs (19.9 kg)
Front Cover	0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodized aluminum
Cell	6 × 20 monocrystalline Q.ANTUM solar half cells
Junction Box	2.09-3.98 × 1.26-2.36 × 0.59-0.71 in (53-101 × 32-60 × 15-18 mm), Protection class IP67, with bypass diodes
Cable	4 mm² Solar cable; (+) ≥45.3 in (1150 mm), (−) ≥45.3 in (1150 mm)
Connector	Stäubli MC4; IP68

#### **ELECTRICAL CHARACTERISTICS**

POV	VER CLASS			335	340	345	350
MIN	IMUM PERFORMANCE AT STANDAR	D TEST CONDITIO	NS, STC <sup>1</sup> (POW	/ER TOLERANCE +5 W / -0	IW)		
	Power at MPP <sup>1</sup>	P <sub>MPP</sub>	[W]	335	340	345	350
_	Short Circuit Current <sup>1</sup>	I <sub>sc</sub>	[A]	10.34	10.40	10.45	10.51
- Ing	Open Circuit Voltage <sup>1</sup>	V <sub>oc</sub>	[V]	40.44	40.70	40.95	41.21
Minih	Current at MPP	I <sub>MPP</sub>	[A]	9.85	9.90	9.96	10.01
~	Voltage at MPP	V <sub>MPP</sub>	[V]	34.01	34.34	34.65	34.97
	Efficiency1	η	[%]	≥18.7	≥19.0	≥19.3	≥19.5
MIN	IMUM PERFORMANCE AT NORMAL	OPERATING CONE	NTIONS, NMO	T <sup>2</sup>			
	Power at MPP	P <sub>MPP</sub>	[W]	250.9	254.6	258.4	262.1
Ę.	Short Circuit Current	I <sub>sc</sub>	[A]	8.33	8.38	8.42	8.47
Minim	Open Circuit Voltage	V <sub>oc</sub>	[V]	38.13	38.38	38.62	38.86
ž	Current at MPP	I <sub>MPP</sub>	[A]	7.75	7.79	7.84	7.88
	Voltage at MPP	V <sub>MPP</sub>	[V]	32.36	32.67	32.97	33.27

# Q CELLS PERFORMANCE WARRANTY



At least 98% of nominal power during first year. Thereafter max. 0.54% degradation per year. At least 93.1% of nominal power up to 10 years. At least 85% of nominal power up to 25 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organization of your respective country

TEMPERATURE COEFFICIENTS							
Temperature Coefficient of Isc	α	[%/K]	+0.04	Temperature Coefficient of Voc	β	[%/K]	-0.27
Temperature Coefficient of P <sub>MPP</sub>	Ŷ	[%/K]	-0.35	Nominal Module Operating Temperature	NMOT	[°F]	109±5.4 (43±3°C)

#### **PROPERTIES FOR SYSTEM DESIGN**

Maximum System Voltage V <sub>sys</sub>	[V]	1000 (IEC)/1000 (UL)	PV module classification	Class II
Maximum Series Fuse Rating	[A DC]	20	Fire Rating based on ANSI/UL 61730	TYPE 2
Max. Design Load, Push / Pull <sup>3</sup>	[lbs/ft2]	75 (3600 Pa)/55 (2667 Pa)	Permitted Module Temperature	-40°F up to +185°F
Max. Test Load, Push / Pull <sup>s</sup>	[lbs/ft <sup>2</sup> ]	113 (5400Pa)/84 (4000Pa)	on Continuous Duty	(-40°C up to +85°C)
<sup>3</sup> See Installation Manual				

#### **QUALIFICATIONS AND CERTIFICATES**

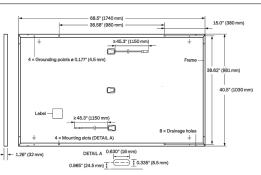




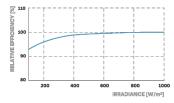
Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product. Q CELLS supplies solar modules in two different stacking methods, depending on the location of manufacture (modules are packed horizontally or vertically). You can find more detailed information in the document "Packaging and Transport Information", available from Q CELLS.

#### Hanwha Q CELLS America Inc.

400 Spectrum Center Drive, Suite 1400, Irvine, CA 92618, USA | TEL +1 949 748 59 96 | EMAIL inquiry@us.q-cells.com | WEB www.q-cells.us



### PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25°C, 1000W/m<sup>2</sup>)

### PACKAGING AND TRANSPORT INFORMATION

				کر اله	53' D	40'HC	
zontal	70.1 in	42.5 in	47.6 in	1485 lbs	28	26	32
aging	1780 mm	1080mm	1208mm	674 kg	pallets	pallets	modules
cal	71.5 in	45.3 in	48.0 in	1505lbs	28	24	32
aging	1815 mm	1150 mm	1220 mm	683 kg	pallets	pallets	modules

# **Power Optimizer**

# For North America

P320 / P340 / P370 / P400 / P401 / P405 / P485 / P505



# PV power optimization at the module-level

- I Specifically designed to work with SolarEdge inverters
- / Up to 25% more energy
- Superior efficiency (99.5%)
- / Mitigates all types of module mismatch losses, from manufacturing tolerance to partial shading
- / Flexible system design for maximum space utilization

- Fast installation with a single bolt
- I Next generation maintenance with modulelevel monitoring
- Meets NEC requirements for arc fault protection (AFCI) and Photovoltaic Rapid Shutdown System (PVRSS)
- Module-level voltage shutdown for installer and firefighter safety



POWER

**OPTIMIZ** 

フ

# / Power Optimizer **For North America**

# P320 / P340 / P370 / P400 / P401 / P405 / P485 / P505

Optimizer model (typical module compatibility)	P320 (for 60-cell modules)	P340 (for high- power 60-cell modules)	P370 (for higher- power 60 and 72- cell modules)	P400 (for 72 & 96-cell modules)	P401 (for high power 60 and 72 cell modules)	P405 (for high- voltage modules)	P485 (for high- voltage modules)	P505 (for higher current modules)			
INPUT											
Rated Input DC Power <sup>(1)</sup>	320	350	370	400	4(	05	485	505	W		
Absolute Maximum Input Voltage (Voc at lowest temperature)	4	8	60	80	60	12	5(2)	83(2)	Vdc		
MPPT Operating Range	8 -	48	8 - 60	8 - 80	8-60	12.5	- 105	12.5 - 83	Vdc		
Maximum Short Circuit Current (Isc)	11	11.02	11	10.1	11.75	1	11		11		Adc
Maximum DC Input Current		13.75		12.5	14.65	12	.5	17.5	Adc		
Maximum Efficiency				99.	5				%		
Weighted Efficiency				98.8				98.6	%		
Overvoltage Category											
OUTPUT DURING OPER	ATION (POW	/ER OPTIMIZ	ER CONNECT	ED TO OPER	RATING SOL	AREDGE INV	'ERTER)				
Maximum Output Current				15					Adc		
Maximum Output Voltage			60				85		Vdc		
OUTPUT DURING STAN	OBY (POWER	OPTIMIZER	DISCONNECT	ED FROM SO	LAREDGE IN	VERTER OR S	SOLAREDGE	INVERTER O	FF)		
Safety Output Voltage per Power Optimizer				1±	0.1				Vdc		
STANDARD COMPLIANC	Œ										
EMC			FCC Pa	art15 Class B, IEC61	1000-6-2, IEC6100	0-6-3					
Safety				IEC62109-1 (class	II safety), UL1741						
Material				UL94 V-0, U	V Resistant						
RoHS				Ye	S						
INSTALLATION SPECIFIC	ATIONS										
Maximum Allowed System Voltage				100	10				Vdc		
Compatible inverters			All SolarE	dge Single Phase	and Three Phase i	nverters					
Dimensions (W x L x H)	129 :	x 153 x 27.5 / 5.1 x	: 6 x 1.1	129 x 153 x 33.5 / 5.1 x 6 x 1.3	129 x 153 x 29.5 / 5.1 x 6 x 1.16	129 x 159 x 49.5	/ 5.1 x 6.3 x 1.9	129 x 162 x 59 / 5.1 x 6.4 x 2.3	mm / in		
Weight (including cables)		630 / 1.4		750 / 1.7	655 / 1.5	845	/ 1.9	1064 / 2.3	gr / l		
Input Connector			MC	4(3)			Single or dual MC4 <sup>(3)(4)</sup>	MC4(3)			
Input Wire Length		0.16	/ 0.52		0.16 or 0.9 /0.52 or 2.95 <sup>(5)</sup>		0.16 / 0.52		m / f		
Output Wire Type / Connector				Double Insul	ated / MC4						
	0.9 /	2.95			1.2 /	3.9			m/f		
Output Wire Length	0.9/2.95 12/3.9								°C/°		
Output Wire Length Operating Temperature Range <sup>(6)</sup>				-40 to +85 /	10 10 1 105				- /		
				IP68 / N					- /		

(3) For other connector types please contact solarcage
 (4) For dual version for parallel connection of two modules use P485-4NMDMRM. In the case of an odd number of PV modules in one string, installing one P485 dual version power optimizer connected to one. PV module. When connecting a single module seal the unused input connectors with the supplied pair of seals
 (5) Longer inputs wire length are available for use. For 0.9m input wire length order P401-xxd.xxx
 (6) For ambient temperature above +85°C / +185°F power de-rating is applied. Refer to Power Optimizers Temperature De-Rating Technical Note for more details

PV System Design Using SolarEdge Inverter <sup>(7)(8)</sup>	a	Single Phase HD-Wave	Single phase	Three Phase for 208V grid	Three Phase for 277/480V grid	
Minimum String Length	P320, P340, P370, P400, P401	8		10	18	
(Power Optimizers)	P405, P485, P505	(	5	8	14	
Maximum String Length (Power Optimizers)		2	5	25	50 <sup>(9)</sup>	
Maximum Power per String		5700 (6000 with SE7600-US - SE11400- US) 5250		6000(10)	12750(11)	W
Parallel Strings of Different Lengths or Orientations		Yes				

(7) For detailed string sizing information refer to: http://www.solaredge.com/sites/default/files/string\_sizing\_na.pdf
(8) It is not allowed to mix P405/P485/P505 with P320/P340/P370/P400/P401 in one string
(9) A string with more than 30 optimizers does not meet NEC rapid shutdown requirements; safety voltage will be above the 30V requirement (10) For 2089 yrdi: it is allowed to install up to 6,500W per string when the maximum power difference between each string is 1,000W
(11) For 277/480V grid: it is allowed to install up to 15,000W per string when the maximum power difference between each string is 2,000W

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solaredge.com



# **Single Phase Inverter** with HD-Wave Technology

# for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US





# Optimized installation with HD-Wave technology

- I Specifically designed to work with power optimizers
- Record-breaking efficiency
- I Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Fixed voltage inverter for longer strings
- Integrated arc fault protection and rapid shutdown for NEC 2014 and 2017, per article 690.11 and 690.12

solaredge.com

- UL1741 SA certified, for CPUC Rule 21 grid compliance
- Extremely small
- I Built-in module-level monitoring
- Øutdoor and indoor installation
- Øptional: Revenue grade data, ANSI C12.20 Class 0.5 (0.5% accuracy)



**NVERTERS** 

# Single Phase Inverter with HD-Wave Technology for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US/ SE7600H-US / SE10000H-US / SE11400H-US

APPLICABLE TO INVERTERS WITH	SE3000H-US	SE3800H-US	SE5000H-US		3E700011-03	S SE10000H-US	<u>3EH400H-05</u>				
PART NUMBER				SEXXXXH-XXXXBXX4							
OUTPUT											
Rated AC Power Output	3000	3800 @ 240V 3300 @ 208V	5000	6000 @ 240V 5000 @ 208V	7600	10000	11400 @ 240V 10000 @ 208V	VA			
Maximum AC Power Output	3000	3800 @ 240V 3300 @ 208V	5000	6000 @ 240V 5000 @ 208V	7600	10000	11400 @ 240V 10000 @ 208V	VA			
AC Output Voltage MinNomMax. (211 - 240 - 264)	$\checkmark$	~	~	✓	~	✓	*	Vac			
AC Output Voltage MinNomMax. (183 - 208 - 229)	-	~	-	✓	-	-	✓	Vac			
AC Frequency (Nominal)		1		59.3 - 60 - 60.5 <sup>(1)</sup>				Hz			
Maximum Continuous Output Current @240V	12.5	16	21	25	32	42	47.5	A			
Maximum Continuous Output Current @208V	-	16	-	24	-	-	48.5	A			
Power Factor				1, adjustable -0.85 to 0.8	35						
GFDI Threshold				1				A			
Utility Monitoring, Islanding Protection, Country Configurable Thresholds				Yes							
INPUT											
Maximum DC Power @240V	4650	5900	7750	9300	11800	15500	17650	W			
Maximum DC Power @208V	-	5100	-	7750	-	-	15500	W			
Transformer-less, Ungrounded			I	Yes							
Maximum Input Voltage				480				Vdc			
Nominal DC Input Voltage		380 400									
Maximum Input Current @240V <sup>(2)</sup>	8.5	10.5	13.5	16.5	20	27	30.5	Vdc Adc			
Maximum Input Current @208V <sup>(2)</sup>	-	9	_	13.5	_	_	27	Adc			
Max. Input Short Circuit Current		45									
Reverse-Polarity Protection	Yes										
Ground-Fault Isolation Detection	600kg Sensitivity										
Maximum Inverter Efficiency	99 99.2										
CEC Weighted Efficiency	aa 99 @ 240V										
Nighttime Power Consumption	98.5 @ 208V										
				< 2.5				W			
For other regional settings please contact Sola A higher current source may be used; the inve		urrent to the values stated	1								
ADDITIONAL FEATURES											
Supported Communication Interfaces			RS485, Etherr	net, ZigBee (optional), Ce	llular (optional)						
Revenue Grade Data, ANSI C12.20				Optional <sup>(3)</sup>							
Inverter Commissioning		with the	SetApp mobile app	lication using built-in Wi-	-Fi station for loca	l connection					
Rapid Shutdown - NEC 2014 and			Automatic Ra	pid Shutdown upon AC (	Grid Disconnect						
2017 690.12											
STANDARD COMPLIANCE			104744 01 1040-	D CCA C22.2 C *	AECL - "	TH M 07		1			
Safety		UL1741,		B, CSA C22.2, Canadian		) I.I.L. M-07		-			
Grid Connection Standards			IE	EE1547, Rule 21, Rule 14	(HI)						
Emissions				FCC Part 15 Class B							
INSTALLATION SPECIFICAT	IONS							_			
		3/-	4″ minimum / 14-6 .	AWG		3/4" minimu	m /14-4 AWG				
Range	3/4" minimum / 1-2 strings / 14-6 AWG 3/4" minimum / 1-3 strings / 14-6 AWG						3 strings / 14-6 AWG				
Range DC Input Conduit Size / # of Strings / AWG Range		0, 1 1111				21.3 x 14.6 x 7.3	in / mm				
Range DC Input Conduit Size / # of Strings / AWG Range Dimensions with Safety Switch			14.6 x 6.8 / 450 x 3	70 x 174		210 / 110 / 110 /	/ 540 x 370 x 185	1			
Range DC Input Conduit Size / # of Strings / AWG Range Dimensions with Safety Switch (HxWxD)	22		14.6 x 6.8 / 450 x 3 25.1 / 11.4	26.2 /	11.9		/ 17.6	lb / k			
Range DC Input Conduit Size / # of Strings / AWG Range Dimensions with Safety Switch (HxWxD) Weight with Safety Switch	22	17.7 x / 10			11.9			-			
Range DC Input Conduit Size / # of Strings / AWG Range Dimensions with Safety Switch (HxWxD) Weight with Safety Switch Noise	22	17.7 x / 10	25.1 / 11.4		11.9	38.8		lb / k			
AC Output Conduit Size / AWG Range DC Input Conduit Size / # of Strings / AWG Range Dimensions with Safety Switch (HxWxD) Weight with Safety Switch Noise Cooling Operating Temperature Range	22	17.7 x / 10	25.1 / 11.4 25	26.2 /		38.8		lb / k			

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# Eaton general duty non-fusible safety switch

## DG222URB

### **UPC:**782113144238

## **Dimensions:**

- Height: 14.38 IN
- Length: 7.38 IN
- Width: 8.69 IN

# Weight:9 LB

**Notes:**WARNING! Switch is not approved for service entrance unless a neutral kit is installed.

## Warranties:

• Eaton Selling Policy 25-000, one (1) year from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.

## **Specifications:**

- **Type:** Non-fusible, single-throw
- Amperage Rating: 60A
- Enclosure: NEMA 3R, Rainproof
- Enclosure Material: Painted galvanized steel
- Fuse Configuration: Non-fusible
- Number Of Poles: Two-pole
- Number Of Wires: Two-wire
- Product Category: General duty safety switch
- Voltage Rating: 240V

## Supporting documents:

- Eatons Volume 2-Commercial Distribution
- Eaton Specification Sheet DG222URB

## **Certifications:**

UL Listed

Product compliance: No Data





