ABBREVIATIONS

ABBREVIA	TIONS		FI	ECTRICA	
A	AMPERE		<u>––</u> 1.	WHERE ALL	
AC	ALTERNATE CURREN	IT		DISCONNEC	
BLDG	BUILDING.			ENERGIZED	
CONC				SIGN WILL BE	
C	COMBINER BOX			THE HAZARD	
D	DISTRIBUTION PANEL	-	2.	EACH UNGRO	
DC	DIRECT CURRENT			THE MULTIW	
EGC	EQUIPMENT GROUND	DING CONDUCTOR		BE IDENTIFIE	
(E)	EXISTING		3.	PER ART. 210 A NATIONALI	
EMT	ELECTRICAL METALL	IC TUBING	5.	LABORATOR	
GALV	GALVANIZED			EQUIPMENT	
GEC	GROUNDING ELECTR	ODE CONDUCTOR		110.3.	
GND	GROUND		4.	CIRCUITS OV	
HDG	HOT DIPPED GALVAN	IZED		SHALL COMF	
1	CURRENT			250.92(B)	
Imp	CURRENT AT MAX PC	OWER	5.	DC CONDUC	
INVS	INVERTERS			ENTER BUILD	
lsc	SHORT CIRCUIT CUR	RENT		METALLIC RA	
kVA	KILOVOLT AMPERE			ACCESSIBLE	
kW	KILOWATT			MEANS PER	
LBW	LOAD BEARING WALL		6.	ALL WIRES S	
MIN	MINIMUM		Ο.	STRAIN RELI	
(N)	NEW			BOXES AS RI	
ŇÉC	NATIONAL ELECTRIC	CODE	7.	MODULE FRA	
NIC	NOT IN CONTRACT			GROUNDED	
NTS	NOT TO SCALE			LOCATION PI	
OC	ON CENTER			MANUFACTU	
Р	PANEL BOARD		8.	GROUNDING ALL EXPOSE	
PL	PROPERTY LINES		о.	FRAMES, BO	
PV	PHOTOVOLTAIC			GROUNDED	
PVC	POLYVINYL CHLORID	E		LUGS LISTED	
S	SUBPANEL		9.	MODULE FRA	
SCH	SCHEDULE			BE ELECTRIC	
SS	STAINLESS STEEL			ATTACHED F	
SSD	SEE STRUCTURAL DI	AGRAMS	10.	THE DC GRO	
STC	STANDARD TESTING	CONDITIONS		CONDUCTOR	
SWH	SOLAR WATER HEAT	ER		ACCORDING 690.47.	
TYP	TYPICAL			090.47.	
UON	UNLESS OTHERWISE	NOTED			
UPS	UNINTERRUPTIBLE P	OWER SUPPLY			
V	VOLT				
Vmp	VOLTAGE AT MAX PO	WER			
Voc	VOLTAGE AT OPEN C	IRCUIT			
W	WATT				
3R	NEMA 3R, RAIN TIGHT	Г			
	·				
 D	osiGen	JOB NUMBER: ²	1967	757	
Alexandream from		UTILITY: ENTER	RGV		
	gy Efficiency • Roofing				
	SIGEN SOLAR avis Dr, Plymouth	RACKING: K2 C	RU	55 KAIL	

AL NOTES

- TERMINALS OF THE TING MEANS MAY BE IN THE OPEN POSITION, A BE PROVIDED WARNING OF DS PER ART. 690.17.
- ROUNDED CONDUCTOR OF WIRE BRANCH CIRCUIT WILL IED BY PHASE AND SYSTEM 10.5.
- LLY-RECOGNIZED TESTING RY SHALL LIST ALL IN COMPLIANCE WITH ART.
- VER 250V TO GROUND 1PLY WITH NEC. 250.97,
- CTORS EITHER DO NOT DING OR ARE RUN IN RACEWAYS OR ES TO THE FIRST E DC DISCONNECTING R NEC. 690.31(E).
- SHALL BE PROVIDED WITH LIEF AT ALL ENTRY INTO REQUIRED BY UL LISTING.
- RAMES SHALL BE AT THE UL-LISTED PROVIDED BY THE URER USING UL LISTED G HARDWARE.
- ED METAL PARTS (MODULE OXES, ETC.) SHALL BE USING UL LISTED LAY-IN D FOR THE PURPOSE.
- RAMES AND POSTS SHALL ICALLY CONTINUOUS WITH RAIL.
- OUNDING ELECTRODE OR SHALL BE SIZED G TO NEC. 250.166(B) &

AERIAL VIEW



AHJ: ORLEANS PARISH

INTERNATIONAL FUEL GAS CODE 2018

NFPA 70 NATIONAL ELECTRICAL CODE 2017

UTILITY: ENTERGY NEW ORLEANS

GENERAL NOTES

- 1. THIS SYSTEM IS GRID-INTERTIED VIA A **UL-LISTED** POWER-CONDITIONING INVERTER.
- 2. THIS SYSTEM HAS NO BATTERIES, NO UPS.
- ALL INVERTERS AND ARRAYS ARE 3. NEGATIVELY GROUNDED. 4. SOLAR MOUNTING FRAMES ARE TO BE
- GROUNDED.

PosiGen	JOB NUMBER: 196757	OWNER:		DESCRIPTION CYNTHIA	
blar • Energy Efficiency • Roofing	UTILITY: ENTERGY NEW ORLEANS	CYNTHIA HUGLE 7716 DOYLE STREET		RESIDEN	,
POSIGEN SOLAR	RACKING: K2 CROSS RAIL SYSTEM	NEW ORLEANS, LA 70126		8.3 kWDC	
0,	MODULES: (20) CANADIAN SOLAR CS3N-415MS	Account Number : 178887634		SOLAR S PRODUCI	
	OPTIMIZER: (20) SOLAREDGE OPTIMIZER S440/F	DESIGNED		REV:	
PA ELECTRICAL LICENSE ELC.#34E01502400	INVERTER: (1) SOLAREDGE SE7600H-US	ENGINEERING SERV	VICES PRIVATE LIMITED		

VICINITY VIEW

oyle Ct

Doyle Ct

DO

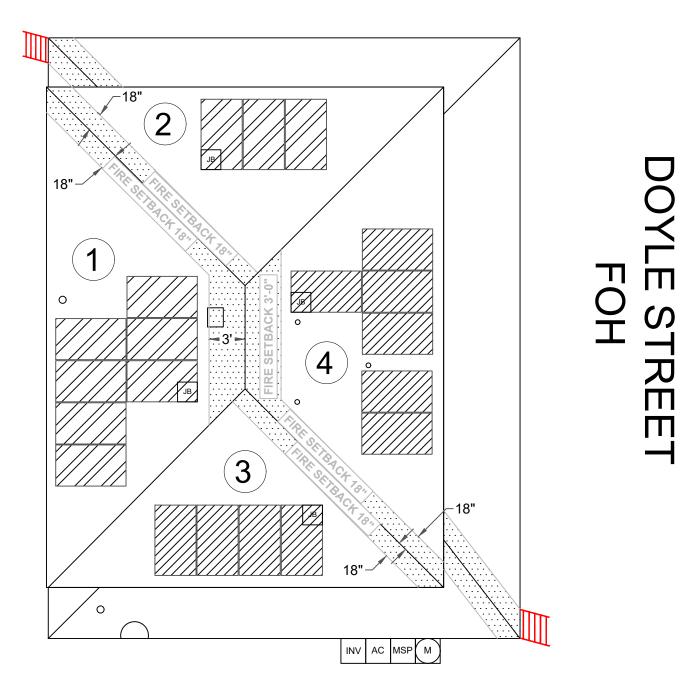
INDEX

7716 Doyle Ct, New Orleans, LA 70126, USA

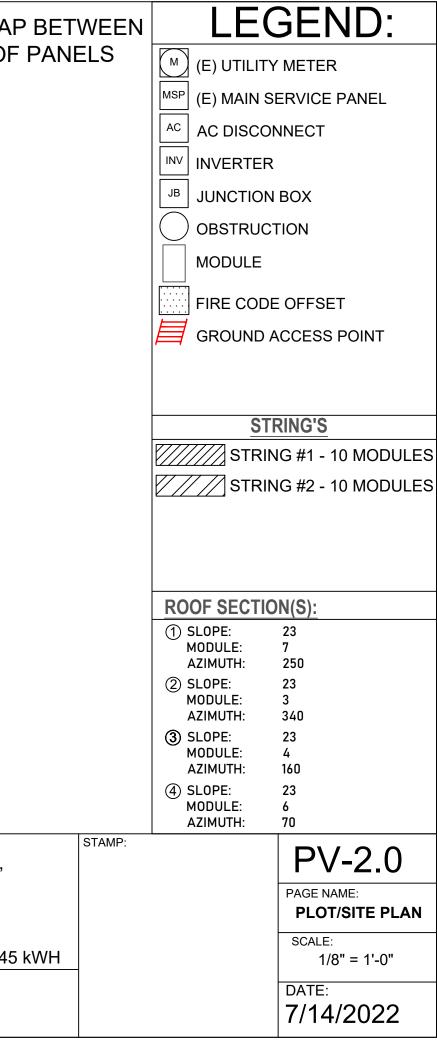
COVER SHEE	Т					
SITE PLAN						
ATTACHMENT F	PLAN					
ATTACHMENT D	ETAIL					
THREE-LINE DIAC	GRAM					
ELECTRICAL NO	OTES					
PLACARD						
SAFETY LABE	LS					
BILL OF MATER	RIAL					
MODULE DATAS	HEET					
INVERTER DATAS	SHEET					
OPTIMIZER DATAS	SHEET					
MOUNTING SYSTEM	DATASHEET					
MOUNTING SYSTEM ENG	NEERING LETTER					
UL 2703 GROUND & BONDIN	IG CERTIFICATION					
STAMP:	PV-1.0					
	PAGE NAME: COVER SHEET					
	SCALE:					
-	NTS					
	date: 7/14/2022					
	SITE PLAN ATTACHMENT F ATTACHMENT D THREE-LINE DIAG ELECTRICAL NG PLACARD SAFETY LABE BILL OF MATEF MODULE DATAS INVERTER DATAS OPTIMIZER DATAS OPTIMIZER DATAS MOUNTING SYSTEM ENG UL 2703 GROUND & BONDIN					

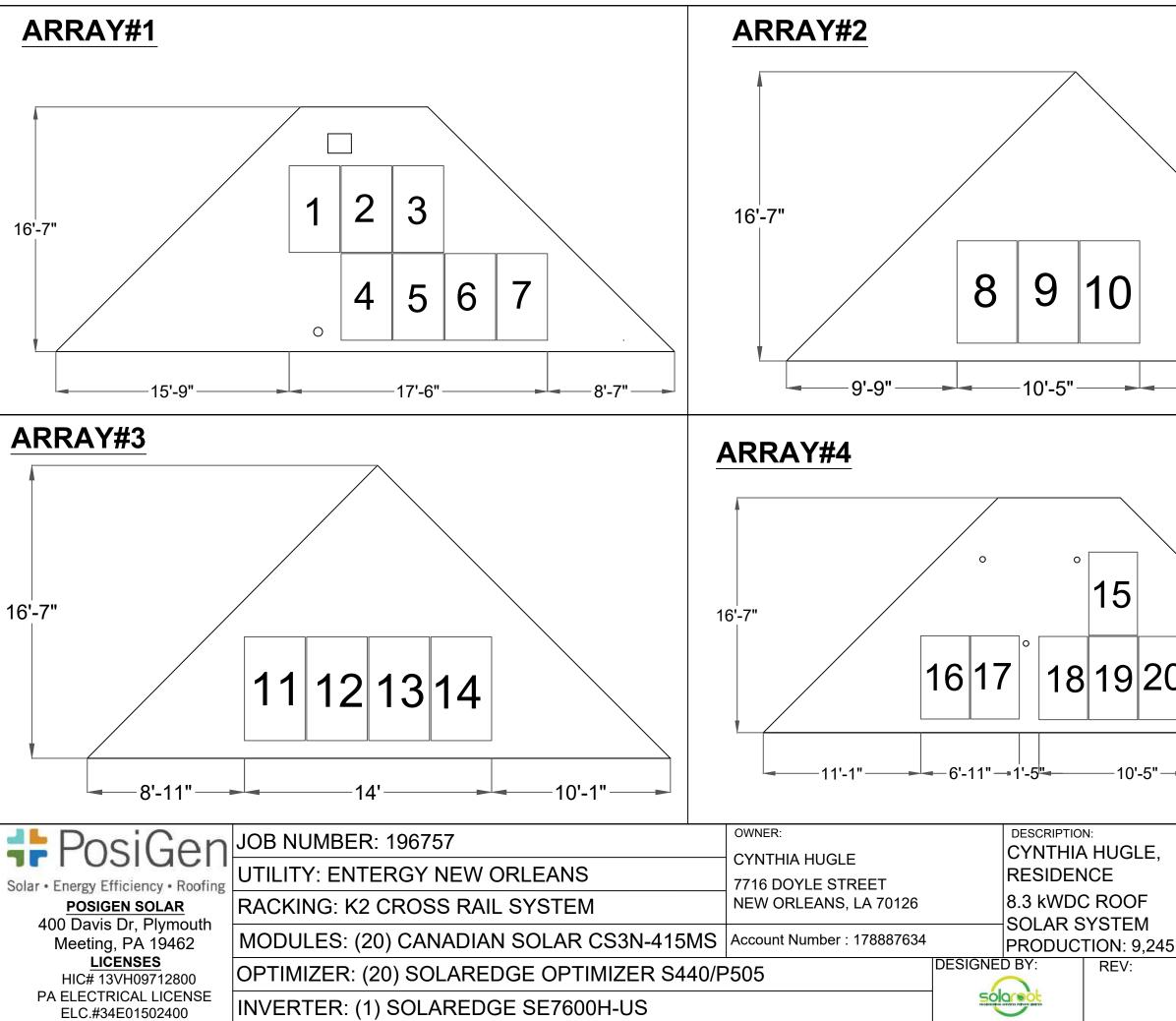
NOTE: 6 INCHES GAP BETWEEN SHINGLES & TOP OF PANELS

STREET

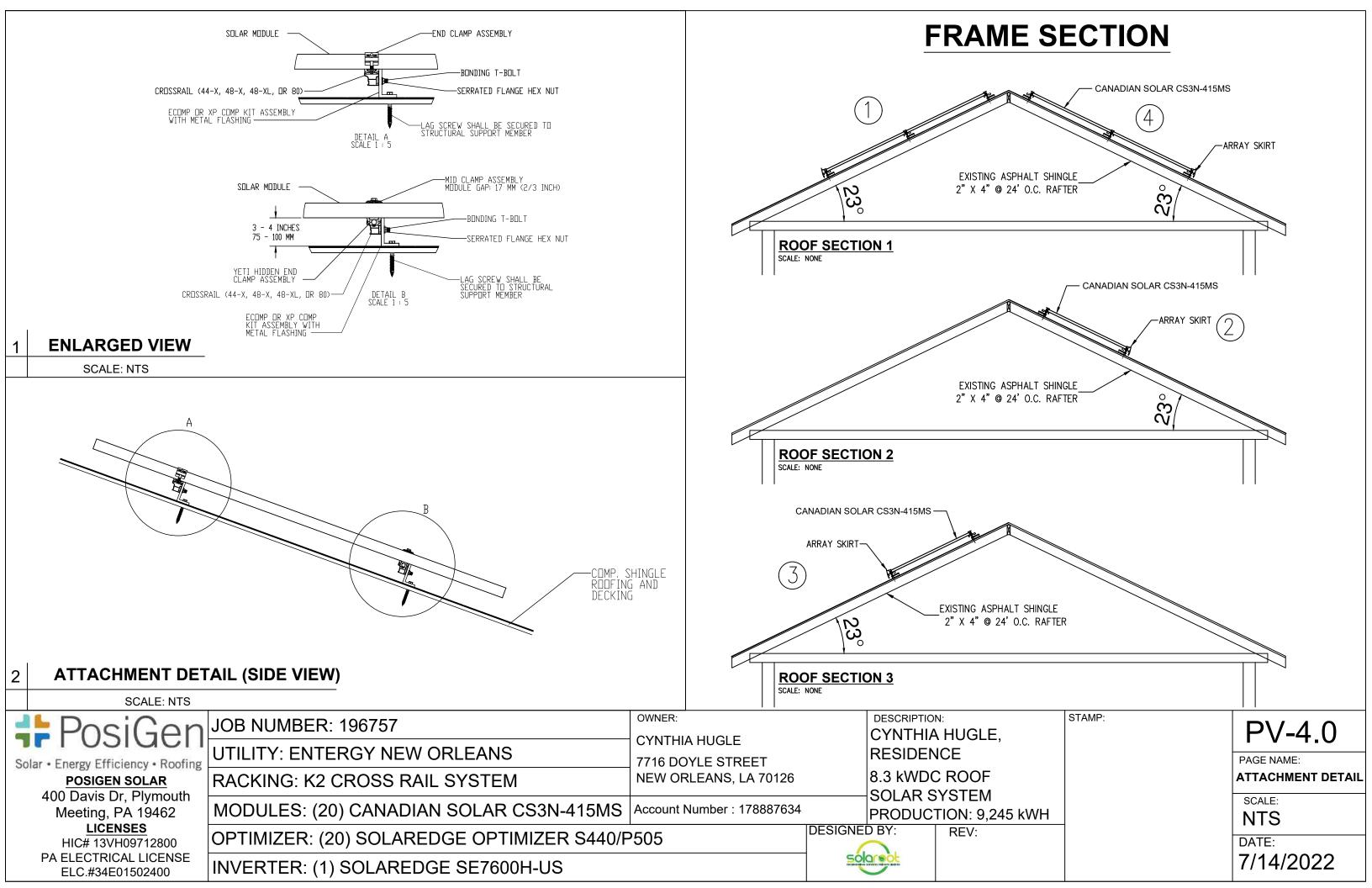


- Deci Con	IOB NUMBER: 196757	OWNER:	DESCRIPTIC	
🛟 PosiGen		CYNTHIA HUGLE	CYNTHI <i>I</i>	A HUGLE,
Solar • Energy Efficiency • Roofing	ITTUTY ENTERGY NEW ORLEANS		RESIDE	NCE
	RACKING: K2 CROSS RAIL SYSTEM	NEW ORLEANS, LA 70126	8.3 kWD0	C ROOF
400 Davis Dr, Plymouth		SOLAR S		
0,	MODULES: (20) CANADIAN SOLAR CS3N-415MS			TION: 9,245
LICENSES HIC# 13VH09712800	OPTIMIZER: (20) SOLAREDGE OPTIMIZER S440/F	DESIGNED BY:	REV:	
PA ELECTRICAL LICENSE ELC.#34E01502400	INVERTER: (1) SOLAREDGE SE7600H-US			

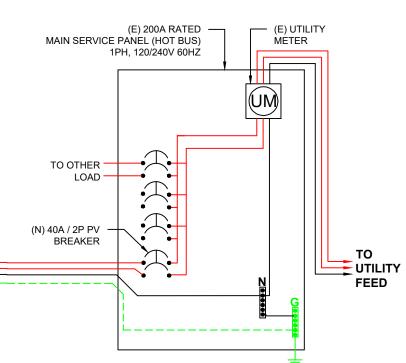




	LEGEN	ID
	— ROOF	
	OBSTR	UCTION
\backslash	TOTAL PENETRATION	COUNT: 52
\mathbf{X}	ARRAY #	1
	RAFTER PROFILE	2" X 4"
\sim	RAFTER SPACING	24'0C
\sim	ROOF PITCH	23°
\mathbf{X}	ARRAY PITCH	23° 250°
\sim	ROOF AZIMUTH	250°
\sim	ROOF MATERIAL	ASPHALT
	TOTAL NO OF PENETRATION	SHINGLE 17
\sim	ARRAY #	
\sim	ARRAY #	
	RAFTER SPACING	2" X 4" 24'0C
12'-9" 	ROOF PITCH	230
12-5	ARRAY PITCH	23°
	ROOF AZIMUTH	340°
	ARRAY AZIMUTH	340°
	ROOF MATERIAL	ASPHALT SHINGLE
	TOTAL NO OF PENETRATION	8
	ARRAY #	3
	RAFTER PROFILE	2" X 4"
	RAFTER SPACING	24'0C
\	ROOF PITCH	23°
\mathbf{i}	ARRAY PITCH	236°
	ROOF AZIMUTH	160°
\sim	ARRAY AZIMUTH	160° ASPHALT
\mathbf{X}	ROOF MATERIAL	SHINGLE
	TOTAL NO OF PENETRATION	9
	ARRAY #	
\mathbf{O}	RAFTER PROFILE	2" X 4"
0	RAFTER SPACING	24'0C
	ROOF PITCH ARRAY PITCH	23° 23°
	ROOF AZIMUTH	70°
	ARRAY AZIMUTH	70°
	ROOF MATERIAL	ASPHALT SHINGLE
11'-10"	TOTAL NO OF PENETRATION	18
STAMP:	PV-3	3.0
	PAGE NAME: ATTACHME	
5 kWH	SCALE:	040
	0.013 DATE:	0049
	7/14/20	022



	MODULE SPECIFI	CATION	1	INVERTER	CHARACTER	ISTICS - SOLAREDGE	SE 7600H-US	OPTIMIZER CH				05/5/40	PH	DTOVOLTAIC SYSTE	м	AMBIENT TE	EMPERATURE	E SPECS		NUMBE	R OF CURRENT	
MANUFACTURE	R & MODEL NO.	CANADIAN	SOLAR CS3N-415MS	MAX OUTPU	F POWER		7600 W	-		ICS SOLENEE	502130	00/0440	DC SYSTEM		8.300	RECORD LOW TEMP				CARRYING	CONDUCTORS IN	J
MAX. POWER-P	DINT CURRENT (IMP)		10.98 AMPS	SYSTEM OPE	RATING VOLTAG	<u>GE</u>	400 V	DC INPUT POWER			05W	440W	AC SYSTEM		7.600	AMBIENT TEMP (HIGH T	EMP 2%)	33°	VALUES		EMT	
MAX. POWER-P	DINT VOLTAGE (VMP)		37.8 VOLTS	MAX CONTIN	OUS OUTPUT CL	JRRENT	32 A	DC MAX INPUT VC			0 V	60V		BER OF MODULES	20	CONDUIT HEIGHT		1.0" 65°	.80 .70		<u>4-6</u> 7-9	
OPEN-CIRCUIT	/OLTAGE (VOC)		45.1 VOLTS	MAX INPUT V	OLTAGE		480 V	MAX OUTPUT CUR		1	5A	15A	NOMINAL A	C VOLTAGE	240V	CONDUCTOR TEMPERA	TURE RATE	90°	50		10-20	_
SHORT-CIRCUIT	CURRENT (ISC)		11.68 AMPS	SYSTEM SHO	ORT CIRCUIT CUI	RRENT	15 A	MINIMUM STRING			6	8		•					.00		10-20	
NOM. MAX. POW	OM. MAX. POWER AT STC (PMAX) 415 WATT MAX EFFICIENCY 99 % MAXIMUM STRING LENGTH 25 25 NOTE:-THE OPTIMIZER IS SELECTED AS PER SITE.																					
	ISCONNECTS							MAXIMUM POWER	R PER STRING	600	00W	5700W							METER	NUMBER	: 10994172	
QUANTITY		1	υτι ττγ μα	S 24-HI		RICTED ACCES	SS TO AL		TAIC SYS					T THE SERVIC	F ENTR	ANCE						
	EL NO EATON DG22	1 211RB				SUNLIGHT SH											ור					
RATED CURREN		60														•	<i>.</i>).					
MAX RATED VOL		240V				WET LOCATIO			LE FOR U	SE IN WE	T LOC	CATION	S PER NE	C ARTICLE 31	0.10 (C)							
MAX RATED VOL			ALL BOS CC	MPONE	NTS WIT	HIN 10 FT OF l	UTILITY M	1ETER.														
	STR	RING-1																	E) 200A RATED	(E) U		
	- 10 CANADIAN SC	DLAR CS3N	J-415MS														M	AIN SERVICE PAN 1PH	NEL (HOT BUS) 120/240V 60HZ	MET	ER	
		ח ר																····,				
					ZER S440/P50	95																
			POWER O	PTIMIZERS	;															(UM)		
	·	<u> </u>	┯┯╝╵╶┍━┥	1)		(N)																
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	िवेष चिवे		pel h	,		SE7600H-L											Т		-•			
							-				(N))60 A RAT	ED					LOAD				
	STE	RING-2									-	DISCONN	-									
										K		ON DG22										
	- 10 CANADIAN SC		J-415MS									LADE, LO 3R, UL L						0A / 2P PV				
]							BREAKER			то	
			JUNC									∘∕∘ E									UTILITY	
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		-	┉━╸┤───ति┘│																			
i				i i												AC RATING: 7.	6kw				F	
	SOLARED	DGE OPTIN														THE DISCONNEC	TING MEAN	NS SHALL BE A	DJACENT TO THE	UTILITY M	ETER.	
	POWE	S440 ER OPTIMI	/P505 ZERS																			
																		CONDUIT TO	BE AL EMT AND C	CONDUIT DI	A. IS MINIMUM	
			•	-										-								
WIRE	WIRE FRO	м·	CONDUIT	WIRE	WIRE	WIRE TYPE WI	IRF MATER	RIAI TEMP	WIRE	TEMP		USTMEN		STRING	, OPERA		X NEC	_ MAX	MAX. SYSTEM		GRND	
TAG #			CONDON	QTY	GAUGE:			RATING:	AMP	DE-RATE:	: FA	ACTOR :	OCPD:	WATTAGE '	VOLT	AGE AMPS	X NLC	- AMPS	VOLTAGE:	SIZE	WIRE TYPE	
	ARRAY TO		IN AIR	2	#10	PV WIRE	COPPER	90°	40A 2	x 0.96	х	1.00	= 38.4A	4150	400	= 10.38	X 1.25	= 12.97A	480	#6	BARE	
	JUNCTION E			Ĺ	#10					. 0.70	^	1.00	50.4A	4150 /	400	- 10.50	A 1.23	- 12.77A	400	#0		
	JUNCTION B		AL/EMT-3/4"	4	#10	THWN-2	COPPER	90°	40A :	x 0.96	х	0.80	= 30.4A	4150	400	= 10.38	X 1.25	= 12.97A	480	#10	THWN-2	
2	TO INVERTE	R	,,,_,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4	#10			90	40A	∧ U.70	^	0.00	- 30.4A	4130 /	400	_ 10.50	A 1.20	– 12.77A	400	#10		
3	INVERTER TO		AL/EMT-3/4"	3	#8	THWN-2	COPPER	75°	50A 2	x 0.94	х	1.00	= 47.0A				V 1 25	= 40.00 <i>A</i>	240	#0		
	AC DISCONN	IECT		5	#0				JUA	∧ U.74	^	1.00	- 47.0A			= 32A	X 1.25	- 40.00A	~ 240	#8	THWN-2	
	AC DISCONN	IECT	AL/EMT-3/4"	2	#0		COPPER	75°	E0 A	v 0.04	v	1 0 0	= 47.0A				V 1 0F	- (0.004	2/0	#40		
	TO MSP		AL/EMI-3/4"	3	#8	THWN-2	CUPPER	10	50A :	x 0.94	х	1.00	– 47.UA			= 32A	X 1.25	= 40.00 <i>A</i>	A 240	#10	THWN-2	
						II				0.11								OTANG		<u> </u>		
🚽 🦢 🔽	DociC	10	JOB NI	JMRF	R 196	6757				OWNER:	:				DESCRIPT			STAMP:			$N / E \cap$	
	-0510-	iei										UGI F		C	CYNTH	IIA HUGLE,					V-5.0	
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Solar • En	ergy Efficiency	 Roofi 	ng							7716 D											E NAME:	
F	OSIGEN SOL	AR	RACKI	NG: k	(2 CR(DSS RAIL	SYSTF	EM		NEW C)RLE/	ANS, L	A 70126	8	3.3 kWI	DC ROOF					EE-LINE DIAGRA	AM
	Davis Dr, Ply						I L									SYSTEM						
	eting, PA 19			I FS [.]	(20) C	ANADIAN	SOL AF	R CS3N-	415MS	Accoun	t Num	nber : 1	78887634	A			5 사사니					
	-	102			(20)0									F		CTION: 9,24	υκνη	_		N	TS	
	LICENSES	2000			(20)	SOLAREDO	GE OP	TIMI7FR	S440/	P505				DESIGNED	RA:	REV:				DA		
	IC# 13VH0971			· <u> </u>																		
				TER	(1) SO	LAREDGE	= <u>SE76</u>							ENGINEERING SERVICE						7/	14/2022	
L E	LC.#34E01502	400		· L · \ .	(1)00			00-00														
																						_



	GROUNDING NO ALL EQUIPMENT SHA PROPERLY GROUNDED	ALL BE	EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED ACCORDING TO NEC ARTICLE					
1	REQUIREMENTS OF ARTICLES 250 & (• NEC / 690	690.45, AND BE A MINIMUM OF #10AWG WHEN NOT EXPOSED TO DAMAGE, AND #6AWG		CONNECTORS SHALL COMPL			
2	INSTALLER SHALL CC THAT MOUNTING SYST BEEN EVALUATED COMPLIANCE WITH U "GROUNDING AND BO WHEN USED WITH PRO PV MODULE.	TEM HAS FOR JL 2703 DNDING"	SHALL BE USED WHEN EXPOSED TO DAMAGE	690.12(B) 3. THE SPEC HAVE AN MODULE CURRENT 4. DC PV CO	DGE SYSTEM MEETS REQUIN). CIFIED OPTIMIZER CAN BE S INPUT VOLTAGE WINDOW AT THE DESIGN TEMPERATU OF THE MODULE, AND A M ONDUCTORS ARE NOT SOLII AL ENCLOSURES, RACEWAYS	SUBSTITU WIDE ENG JRES, HA AX POWE DLY-GROU	ITED WITH DUGH TO A VE A MAX I R INPUT TH JNDED. NO	A P400, P405 ACCOMMODAT INPUT CURRE HAT IS ABOVE DC PV COND
3	PV MODULES SHALL GROUNDED TO MOUN RAILS USING MODULE OR RACKING INTEGR GROUNDING CLAMPS ALLOWED BY LOCA JURISDICTION. ALL C EXPOSED METAL PARTS BE GROUNDED USI UL-LISTED LAY-IN LU	NTING E LUGS ATED S AS AL OTHER S SHALL ING		EQUIPME EQUIPME SYSTEM S ACCORDI 6. MAX DC V VOLTAGE 7. POINT-OF USING UN LOCALLY-	NT SHALL BE GROUNDED TO NT GROUNDING CONDUCTO SHALL ADHERE TO NEC 690 NG TO NEC 250.166 AND II OLTAGE OF ARRAY FIXED E OF THE MODULE AT -15°C F-CONNECTION IS ON THE S NUSED TERMINALS, TERMIN APPROVED METHODS AND FFICIENT SPACE TO ALLOW	O EARTH DRS SHAL .47(A) AN NSTALLED BY THE IN IS 53.2V SUPPLY S IALS THA HARDWA	AS REQUIR L BE SIZEL D NEC 250 IN COMPL IVERTER AT (-15°C - 2. IDE OF SER T ARE SUIT RE, IN COM	RED BY NEC 2 D ACCORDING D.169. THE DO LIANCE WITH T 380V REGAR 5°C) X -0.138 RVICE DISCON TABLE FOR DO MPLIANCE WIT
4	GROUNDING AND BO CONDUCTORS, IF INSU SHALL BE COLOR CO GREEN, OR MARKED G #4AWG OR LARG	ULATED, ODED GREEN IF		8. PV syster utility, Th Accordan 9. We requi	m disconnect shall be visi the disconnect shall be loca the with NEC 230.72 re the disconnect to be lo that was within 10' of the	ble knife ated with cated ad	-blade typ nin 10 ft of ljacent to t	e disconnect f IPC (IPC for the meter ba
5	AC SYSTEM GROUN ELECTRODE CONDUCTO SHALL BE A MINIMUI #8AWG WHEN INSUL #6AWG IF BARE W	OR (GEC) M SIZE LATED,		,				
6	IF THE EXISTING MAIN PANEL DOES NOT HA VERIFIABLE GROUN ELECTRODE, IT IS CONTRACTOR'S RESPONSIBILITY TO IN SUPPLEMENTAL GROU ELECTRODE.	AVE A IDING THE S ISTALL A						
	PosiGen	JOB NUM	1BER: 196757		OWNER: CYNTHIA HUGLE		DESCRIPTIO	N: A HUGLE,
12000	Energy Efficiency • Roofing	UTILITY:	ENTERGY NEW ORLEANS		7716 DOYLE STREET		RESIDEN	-
	POSIGEN SOLAR 400 Davis Dr, Plymouth	RACKING	6: K2 CROSS RAIL SYSTEM		NEW ORLEANS, LA 70126		8.3 kWD0 SOLAR S	
	Meeting, PA 19462 LICENSES	MODULE	S: (20) CANADIAN SOLAR C	S3N-415MS			PRODUC	TION: 9,245 k
	HIC# 13VH09712800	OPTIMIZE	ER: (20) SOLAREDGE OPTIN	/IZER S440/F	P505			REV:
	PA ELECTRICAL LICENSE ELC.#34E01502400 INVERTER: (1) SOLAREDGE SE7600H-US							

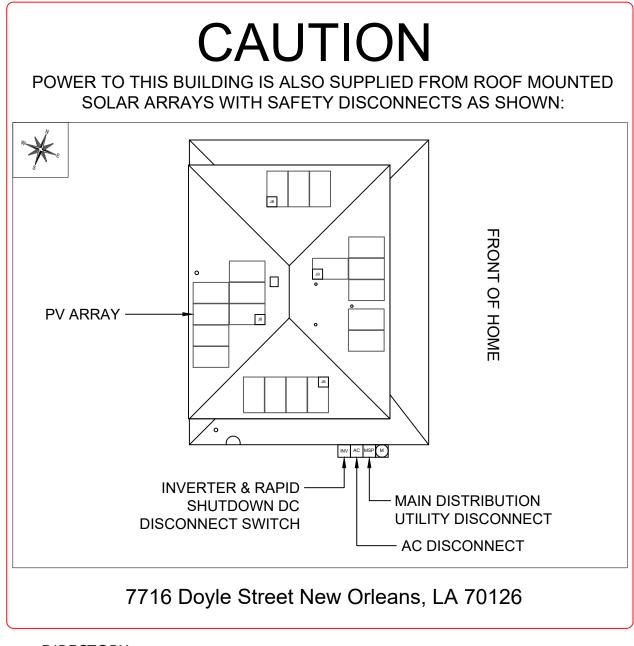
RAPID SHUTDOWN SYSTEM (PVRSS), AS PER NEC

05, P505, P401, OR P485. THESE OPTIMIZERS ATE THE OUTPUT VOLTAGE RANGE OF THE ENT RATING THAT IS ABOVE THE MAX OUTPUT VE THE RATED POWER OUTPUT OF THE MODULE. IDUCTOR SHALL BE WHITE- OR GRAY-COLORED CURRENT-CARRYING METAL PARTS OF 250.4(A) AND PART III OF ARTICLE 250 AND NG TO NEC 690.45. THE GROUNDING ELECTRODE DC GROUNDING ELECTRODE SHALL BE SIZED H NEC 250.64. ARDLESS OF TEMPERATURE. THE MAX DC 38V/C + 47.7V = 53.2V). ONNECT, INSIDE PANELBOARD ENCLOSURE DOUBLE LUGGING, OR USING OTHER ITH NEC 705.12(A). THE PANELBOARD SHALL EQUIRED BY NEC 110.3 AND NEC 312.8(A) ct that is accessible and lockable by the

for Tap). Disconnect shall be grouped in

base and have turned down an installation I the corner from the meter base.

	STAMP:	PV-5.1
		PAGE NAME:
		ELECTRICAL NOTES
		SCALE:
5 kWH		NTS
		DATE:
		7/14/2022

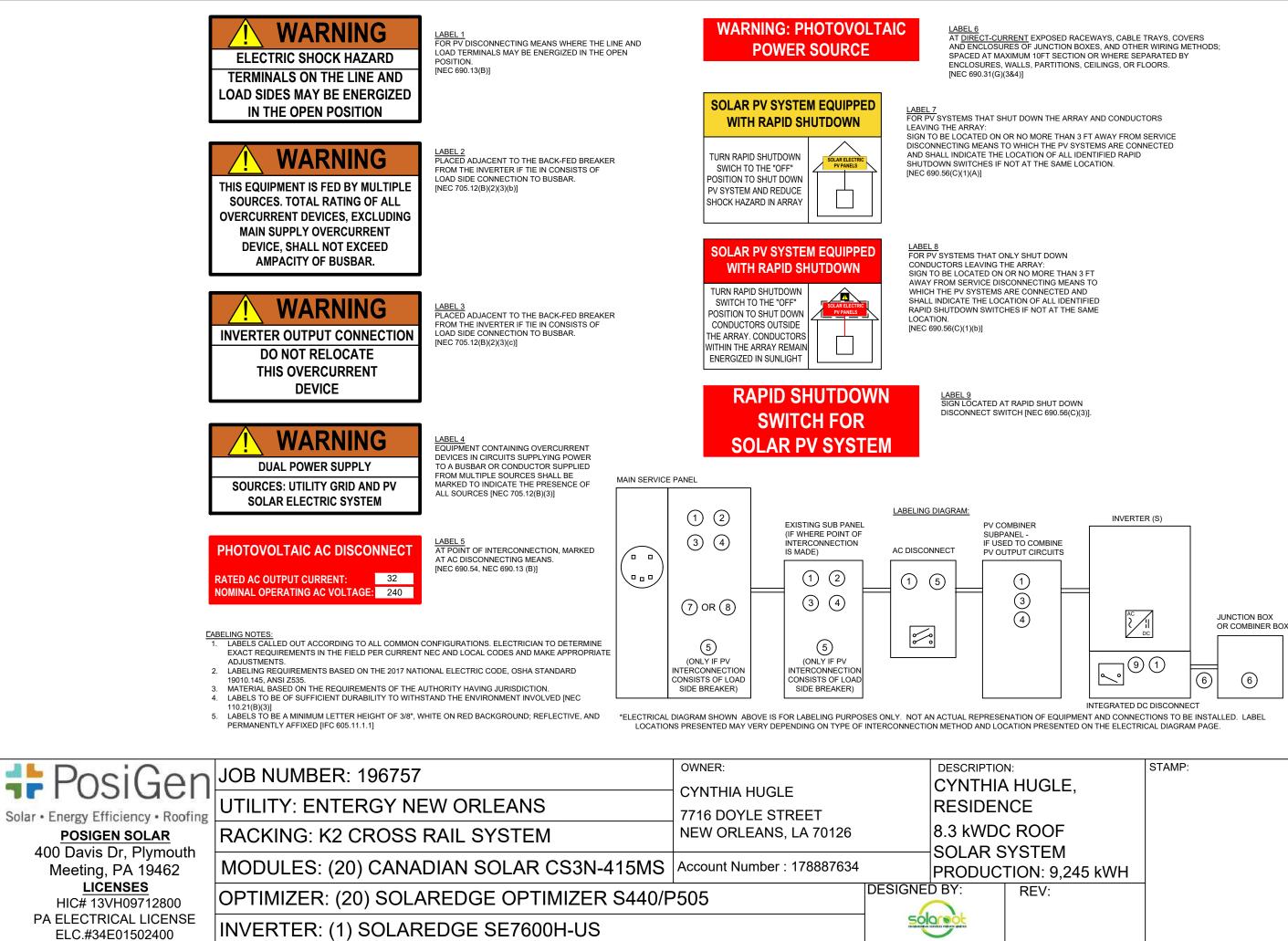


DIRECTORY

PERMANENT PLAQUE OR DIRECTORY PROVIDING THE LOCATION OF THE SERVICE DISCONNECTING MEANS AND THE PHOTOVOLTAIC SYSTEM.

(ALL PLAQUES AND SIGNAGE WILL BE INSTALLED AS OUTLINED WITHIN: NEC 690.56(B)&(C), [NEC 705.10])

PosiGen	JOB NUMBER: 196757	OWNER:		ON: A HUGLE,	STAMP:	PV-6.0
Solar • Energy Efficiency • Roofing		CYNTHIA HUGLE 7716 DOYLE STREET	RESIDE	,		PAGE NAME:
POSIGEN SOLAR	RACKING: K2 CROSS RAIL SYSTEM	NEW ORLEANS, LA 70126	8.3 kWD	C ROOF SYSTEM		PLACARD
0.	MODULES: (20) CANADIAN SOLAR CS3N-415MS	Account Number : 178887634	-	CTION: 9,245 kWH	_	SCALE: NTS
	OPTIMIZER: (20) SOLAREDGE OPTIMIZER S440/F	2505	SIGNED BY:	REV:		DATE:
PA ELECTRICAL LICENSE ELC.#34E01502400	INVERTER: (1) SOLAREDGE SE7600H-US					7/14/2022



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		PAGE NAME: SAFETY LABELS
5 kWH		scale: NTS
		DATE: 7/14/2022

Bill Of Materials

	CYNTHIA HUGLE 7716 DOYLE STREET NEW ORLEANS, LA 70126								
	Electrical Equipment								
QTY	Part #	Description							
20	CANADIAN SOLAR CS3N-415MS	CANADIAN SOLAR CS3N-415MS Solar Modules							
1	SOLAREDGE SE7600H-US (240V)	SOLAREDGE SE7600H-US (240V) Inverter(s)							
20	SOLAREDGE OPTIMIZER S440/P505	SOLAREDGE OPTIMIZER S440/P505 Optimizers							
1	SE-GSM-R05-US-S1	SolarEdge GSM w/ 5 Year Plan							
1	60A AC Disconnect	AC Disconnect, NEMA 3R, 60A, 240VAC, 2-Pole							
4	Junction Box	Junction Box							
	Breakers	and Fuses							
1	40A 2-Pole Breaker(s)	General 40A 2-Pole Breaker(s)							
	Ba	cking							
4	4000021 (180" mill)	CrossRail 44-X (shown) all CR profiles applicable							
10	4000019 (168" mill)	CrossRail 44-X (shown) all CR profiles applicable							
26	4000601-H (mill)	CrossRail Mid Clamp							
28	4000429 (mill)	CrossRail (Standard) End Clamp							
52	4000630 (mill)	L-Foot Slotted Set							
7	4000006-H	Everest Ground Lug							

Preliminary Technical **Information Sheet**

Se CanadianSolar



HiKu Mono 400 W ~ 425 W CS3N-400|405|410|415|420|420|425MS

MORE POWER

NEW



Module power up to 425 W Module efficiency up to 20.9 %



Lower LCOE & BOS cost

Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation



ill

Better shading tolerance

MORE RELIABLE



Minimizes micro-crack impacts

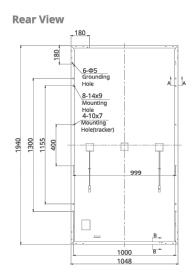


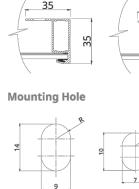
Heavy snow load up to 5400 Pa, enhanced wind load up to 2400 Pa*

* For detailed information, please refer to the Installation Manual.

CANADIAN SOLAR (USA), INC. 3000 Oak Road, Suite 400, Walnut Creek, CA 94597, USA | www.canadiansolar.com/na | sales.us@canadiansolar.com

ENGINEERING DRAWING (mm)





Frame Cross Section

A - A

ELECTRICAL DATA | STC*

CS3N	400MS	405MS	410MS	415MS	420MS	425MS
Nominal Max. Power (Pmax)	400 W	405 W	410 W	415 W	420 W	425 W
Opt. Operating Voltage (Vmp)	37.2 V	37.4 V	37.6 V	37.8 V	38.0 V	38.2 V
Opt. Operating Current (Imp)	10.76 A	10.83 A	10.92 A	10.98 A	11.06 A	11.13
Open Circuit Voltage (Voc)	44.5 V	44.7 V	44.9 V	45.1 V	45.3 V	45.5 V
Short Circuit Current (Isc)	11.50 A	11.56 A	11.62 A	11.68 A	11.74 A	11.80 A
Module Efficiency	19.7%	19.9%	20.2%	20.4%	20.7%	20.9%
Operating Temperature	-40°C ~	+85°C				
Max. System Voltage	1500V (IEC/UL)	or 1000	/ (IEC/U	L)	
Module Fire Performance		(UL 6173 or CLAS			PE 2 (UL (61730
Max. Series Fuse Rating	20 A					
Application Classification	Class A					
Power Tolerance	0~+10	W				
* Under Standard Test Conditions (STC)	of irradian	ce of 1000	W/m², spe	ctrum AM	1.5 and cel	l tempera

ture of 25°C.

ELECTRICAL DATA | NMOT*

CS3N	400MS	405MS	410MS	415MS	420M
Nominal Max. Power (Pmax)	298 W	302 W	306 W	310 W	313 W
Opt. Operating Voltage (Vmp)	34.7 V	34.9 V	35.1 V	35.2 V	35.4 \
Opt. Operating Current (Imp)	8.60 A	8.66 A	8.72 A	8.81 A	8.85 A
Open Circuit Voltage (Voc)	41.9 V	42.1 V	42.2 V	42.4 V	42.6 \
Short Circuit Current (Isc)	9.28 A	9.33 A	9.38 A	9.42 A	9.47 A
* Under Nominal Module Operating Ten ambient temperature 20°C, wind speed		(NMOT), ir	radiance o	f 800 W/m²	spectru

* The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. Canadian Solar Inc. reserves the right to make necessary adjustment to the information described herein at any time without further notice.

Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV . modules.

CANADIAN SOLAR (USA), INC. October 2020 | All rights reserved | PV Module Datasheet v2.5_F30_J1_NA

12 Years



Enhanced Product Warranty on Materials and Workmanship*

Linear Power Performance Warranty*

1st year power degradation no more than 2% Subsequent annual power degradation no more than 0.55%

*According to the applicable Canadian Solar Limited Warranty Statement.

MANAGEMENT SYSTEM CERTIFICATES*

ISO 9001:2015 / Quality management system ISO 14001:2015 / Standards for environmental management system OHSAS 18001:2007 / International standards for occupational health & safety

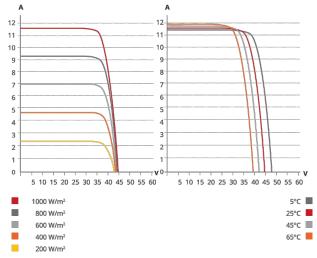
PRODUCT CERTIFICATES*

* As there are different certification requirements in different markets, please contact your local Canadian Solar sales representative for the specific certificates applicable to the products in the region in which the products are to be used.

CANADIAN SOLAR (USA), INC. is committed to providing high quality solar products, solar system solutions and services to customers around the world. No. 1 module supplier for quality and performance/price ratio in IHS Module Customer Insight Survey. As a leading PV project developer and manufacturer of solar modules with over 46 GW deployed around the world since 2001.

CS3N-410MS / I-V CURVES





MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	132 [2 X (11 X 6)]
Dimonsions	1940 X 1048 X 35 mm
Dimensions	(76.4 X 41.3 X 1.38 in)
Weight	22.5 kg (49.6 lbs)
Front Cover	3.2 mm tempered glass
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4 mm² (IEC), 12 AWG (UL)
Cable Length (Including Connector)	Portrait: 400 mm (15.7 in) (+) / 280 mm (11.0 in) (-); landscape: 1250 mm (49.2 in)*
Connector	T4 series or MC4
Per Pallet	30 pieces
Per Container (40' HQ)	720 pieces
* For detailed information, plea	se contact your local Canadian Solar sales and

tact your local Cana technical representatives.

AS 425MS W 317 W V 35.6 V A 8.91 A V 42.8 V A 9.52 A um AM 1.5,

TEMPERATURE CHARACTERISTICS

′	Specification	Data
1	Temperature Coefficient (Pmax)	-0.35 % / °C
′	Temperature Coefficient (Voc)	-0.27 % / °C
1	Temperature Coefficient (Isc)	0.05 % / °C
	Nominal Module Operating Temperature	42 ± 3°C

PARTNER SECTION

	 •••	••	 	 	 ••	••	 	 	 •••	•••				•••		•	• •	 	 	 	 •••	 •••	 ••	 	•••		••	••	•••	 •••	 •••	••	•••	 •••	•••	•••	••	
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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

- Specifically designed to work with power optimizers
- Record-breaking 99% weighted efficiency
- 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

NVERTERS

UL1741 SA certified, for CPUC Rule 21 grid compliance

Small, lightweight, and easy to install both outdoors

 Optional: Faster installations with built-in consumption metering (1% accuracy) and production revenue grade

solaredge

or indoors

Built-in module-level monitoring

metering (0.5% accuracy, ANSI C12.20)

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

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

MODEL NUMBER	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	
APPLICABLE TO INVERTERS WITH PART NUMBER			SE	ххххн-ххххх	BXX4			
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)	~	~	~	~	~	~	~	Vac
AC Output Voltage MinNomMax. (183 - 208 - 229)	-	*	-	~	-	-	~	Vac
AC Frequency (Nominal)				59.3 - 60 - 60.5 ⁽¹⁾				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	0.85			
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		·		Yes				
Maximum Input Voltage				480				Vdc
Nominal DC Input Voltage			380			400		Vdc
Maximum Input Current @240V ⁽²⁾	8.5	10.5	13.5	16.5	20	27	30.5	Adc
Maximum Input Current @208V ⁽²⁾	-	9	-	13.5	-	-	27	Adc
Max. Input Short Circuit Current				45				Adc
Reverse-Polarity Protection				Yes				
Ground-Fault Isolation Detection				600kΩ Sensitivity				
Maximum Inverter Efficiency	99			g	9.2			%
CEC Weighted Efficiency				99			99 @ 240V 98.5 @ 208V	%
Nighttime Power Consumption				< 2.5				W

⁽¹⁾ For other regional settings please contact SolarEdge support

A higher current source may be used; the inverter will limit its input current to the values stated

solaredge.com

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

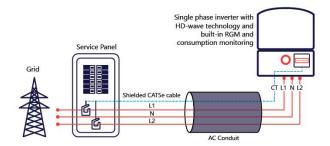
SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US/ SE7600H-US / SE10000H-US / SE11400H-US

MODEL NUMBER	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	
ADDITIONAL FEATURES								
Supported Communication Interfaces			RS485, Etherne	t, ZigBee (optional),	Cellular (optional)			
Revenue Grade Metering, ANSI C12.20				Optional ⁽³⁾				
Consumption metering								
Inverter Commissioning		With the Set	App mobile applicati	on using Built-in Wi-	Fi Access Point for Lo	ocal Connection		
Rapid Shutdown - NEC 2014 and 2017 690.12			Automatic Rapi	d Shutdown upon A	C Grid Disconnect			
STANDARD COMPLIANCE								
Safety		UL1741,	UL1741 SA, UL1699B	CSA C22.2, Canadia	n AFCI according to	T.I.L. M-07		
Grid Connection Standards			IEE	E1547, Rule 21, Rule 1	14 (HI)			
Emissions				FCC Part 15 Class E	3			
INSTALLATION SPECIFICA	TIONS							
AC Output Conduit Size / AWG Range		1"	Maximum / 14-6 AV	/G		1" Maximun	n /14-4 AWG	
DC Input Conduit Size / # of Strings / AWG Range		1" Maxir	num / 1-2 strings / 14	1-6 AWG		1" Maximum / 1-3	strings / 14-6 AWG	
Dimensions with Safety Switch (HxWxD)		17.7 x	14.6 x 6.8 / 450 x 37	0 x 174		21.3 x 14.6 x 7.3	/ 540 x 370 x 185	in / mm
Weight with Safety Switch	22	/ 10	25.1 / 11.4	26.2	/ 11.9	38.8	/ 17.6	lb / kg
Noise		<	25			<50		dBA
Cooling				Natural Convection	1			
Operating Temperature Range			-4	40 to +140 / -40 to +	60(4)			*F / *C
Protection Rating			NEMA -	4X (Inverter with Safe	ety Switch)			

In Inverter with Revenue Grade Meter P/N: SExochHUS000BNC4; Inverter with Revenue Grade Production and Consumption Meter P/N: SExochHUS000BN4 - For consumption metering, current transformers though be obtend separately; SEXCID73-200NA-20 or SEXCID73-200NA-20

How to Enable Consumption Monitoring

By simply wiring current transformers through the inverter's existing AC conduits and connecting them to the service panel, homeowners will gain full insight into their household energy usage helping them to avoid high electricity bills



Power Optimizer For Residential Installations

S440, S500



POWER OPTIMIZ フ

Enabling PV power optimization at the module level

- Specifically designed to work with SolarEdge residential inverters
- J Detects abnormal PV connector behavior, preventing potential safety issues*
- Module-level voltage shutdown for installer and firefighter safety
- Superior efficiency (99.5%)

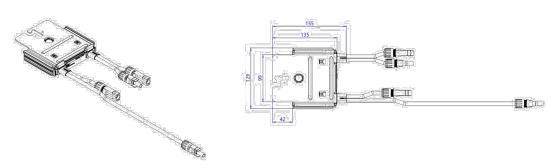
- / Mitigates all types of module mismatch loss, from manufacturing tolerance to partial shading
- Faster installations with simplified cable management and easy assembly using a single bolt
- Flexible system design for maximum space utilization
- Compatible with bifacial PV modules

/ Power Optimizer For Residential Installations S440, S500

	S440	S500	UNI
Rated Input DC Power ⁽¹⁾	440	500	W
Absolute Maximum Input Voltage (Voc)	6	0	Vdc
MPPT Operating Range	8 -	60	Vdc
Maximum Short Circuit Current (Isc) of Connected PV Module	14.5	15	Adc
Maximum Efficiency	99	0.5	%
Weighted Efficiency	98	3.6	%
Overvoltage Category		1	
OUTPUT DURING OPERATION			
Maximum Output Current	1	5	Ado
Maximum Output Voltage	6	0	Vdo
OUTPUT DURING STANDBY (POWER OPTIMIZER	DISCONNECTED FROM INVERTER OR	INVERTER OFF)	
Safety Output Voltage per Power Optimizer		1	Vde
STANDARD COMPLIANCE			
EMC	FCC Part 15 Class B, IEC61000-6-2	2, IEC61000-6-3, CISPR11, EN-55011	
Safety	IEC62109-1 (class	II safety), UL1741	
Material	UL94 V-0, U	JV Resistant	
RoHS	Ye	es	
Fire Safety	VDE-AR-E 210	0-712:2013-05	
INSTALLATION SPECIFICATIONS			
Maximum Allowed System Voltage	10	00	Vdd
Dimensions (W x L x H)	129 x 1	55 x 30	mm
Weight (including cables)	655	/ 1.5	gr /
Input Connector	МС	(4(2)	
Input Wire Length	0	.1	m
Output Connector	M	64	
Output Wire Length	(+) 2.3,	(-) 0.10	m
Operating Temperature Range ⁽³⁾	-40 to	p +85	°C
Protection Rating	IP68 / N	IEMA6P	
Relative Humidity	0 -	100	%

PV System Design Using Inverter	a SolarEdge	Single Phase HD-Wave	Three Phase	Three Phase for 277/480V Grid	
Minimum String Length (Power Optimizers)	S440, S500	8	16	18	
Maximum String Length (Power Op	otimizers)	25	5	0	
Maximum Nominal Power per Strin	IG ⁽⁴⁾	5700	11250(5)	12750(6)	W
Parallel Strings of Different Lengths	or Orientations		Yes		

(4) If the inverters rated AC power < maximum nominal power per string, then the maximum power per string will be able to reach up to the inverters maximum input DC power Refer to: https://www.solaredge.com/sites/default/files/se-power-optimizer-single-string-design-application-note.pdf (5) For the 230/400V grid: it is allowed to install up to 13,500W per string when the maximum power difference between each string is 2,000W (6) For the 277/480V grid: it is allowed to install up to 13,500W per string when the maximum power difference between each string is 2,000W (7) It is not allowed to mix S-series and P-series Power Optimizers in new installations







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* Functionality subject to inverter model and firmware version

ed:

Power Optimizer

For North America P370 / P400 / P401 / 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 Optimizer For North America P370 / P400 / P401 / P485 / P505

Optimizer model (typical module compatibility)	P370 (for higher-power 60 and 72-cell modules)	P400 (for 72 & 96- cell modules)	P401 (for high power 60 and 72 cell modules)	P485 (for high-voltage modules)	P505 (for higher current modules)	
INPUT						
Rated Input DC Power ⁽¹⁾	370	400	430	485	505	W
Absolute Maximum Input Voltage (Voc at lowest temperature)	60	80	60	125(2)	83 ⁽²⁾	Vdc
MPPT Operating Range	8 - 60	8 - 80	8-60	12.5 - 105	12.5 - 83	Vdc
Maximum Short Circuit Current (Isc)	11	10.1	12.5	11	14	Adc
Maximum DC Input Current	13.75	12.5	14.65	12.5	17.5	
Maximum Efficiency			99.5	1		%
Weighted Efficiency			98.8			%
Overvoltage Category						
OUTPUT DURING OPERATION	N (POWER OPTIMIZE	R CONNECTED	TO OPERATING SOL	AREDGE INVERTE	R)	
Maximum Output Current			15			Adc
Maximum Output Voltage		60		8	0	Vdc
OUTPUT DURING STANDBY (F	OWER OPTIMIZER DI	SCONNECTED F	ROM SOLAREDGE IN	VERTER OR SOLAR		OFF)
Safety Output Voltage per Power Optimizer			1 ± 0.1			Vdc
STANDARD COMPLIANCE						
EMC		FCC Part	15 Class B, IEC61000-6-2, IEC6	1000-6-3		
Safety		IEC62109	9-1 (class II safety), UL1741, NEC	C/PVRSS		
Material			UL94 V-0 , UV Resistant			
RoHS			Yes			
INSTALLATION SPECIFICATIO	NS					
Maximum Allowed System Voltage			1000			Vdc
Compatible inverters		All SolarEdo	e Single Phase and Three Pha	se inverters		
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		MC4(3)		MC4(3)	MC4 ⁽³⁾	
Input Wire Length			0.16 / 0.5			m/1
			Double Insulated / MC4			
Output Wire Type / Connector			1.2 / 3.9			m/t
Output Wire Type / Connector Output Wire Length			1.2 / 3.3			
1 21 3			-40 to +85 / -40 to +185			°C/°
Output Wire Length			,			°C / '

(2) NEC 2017 requires max input voltage be not more than 80V

(3) For other connector types please contact SolarEdge

(4) Longer inputs wire lengths are available for use. For 0.9m input wire length order P401-xxxLxxx (5) 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: https://www.solaredge.com/sites/default/files/seemperature-derating-note-na.pdf

PV System Design Usi Inverter ⁽⁶⁾⁽⁷⁾	ng a SolarEdge	Single Phase HD-Wave	Single phase	Three Phase for 208V grid	Three Phase for 277/480V grid	
Minimum String Length	P370, P400, P401	8		10	18	
(Power Optimizers)	P485, P505	6		8	14	
Maximum String Length (Powe	er Optimizers)	25		25	50	
Maximum Power per String		5700 ⁽⁸⁾ (6000 with SE7600-US - SE11400-US)	5250 ⁽⁸⁾	6000 ⁽³⁾	12750(10)	W
Parallel Strings of Different Len	gths or Orientations		١	/es		

(6) For detailed string sizing information refer to: http://www.solaredge.com/sites/default/files/string_sizing_na.pdf

(7) It is not allowed to mix P485/P505 with P370/P400/P401 in one string (8) A string with more than 30 optimizers does not meet NEC rapid shutdown requirements; safety voltage will be above the 30V requirement

(9) For 208V grid: it is allowed to install up to 6,500W per string when the maximum power difference between each string is 1,000W (10)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



POWER

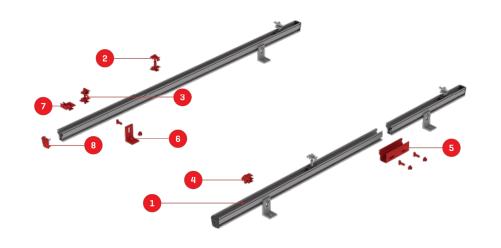
OPTIMIZE

フ





We support PV systems Formerly Everest Solar Systems



CrossRail System

TECHNICAL SHEET

Item Number	Description	Part Number
1	CrossRail 44-X (shown) all CR profiles applicable	4000019 (166" mill), 4000020 (166" dark) , 4000021 (180" mill), 4000022 (180" dark)
2	CrossRail Mid Clamp	4000601-H (mill), 4000602-H (dark)
3	CrossRail (Standard) End Clamp	4000429 (mill), 4000430 (dark)
4	Yeti Hidden End Clamp for CR	4000050-Н
5	CrossRail 44-X Rail Connector (shown) CR 48-X, 48-XL Rail Connector available	4000051 (mill), 4000052 (dark)
6	L-Foot Slotted Set	4000630 (mill), 4000631 (dark)
7	Everest Ground Lug	4000006-H
8	CrossRail 44-X End Cap (shown) CrossRail 48-X, 48-XL and 80 available	4000067



44

1.732

[39]

1.535

Units: [mm] in

[39] 1.535

Technical Data

Roof Type

Material

Flexibility

PV Modules

Module Orientation

Roof Connection

Structural Validity

Warranty

systems.

systems

80

3.160

[39] 1.535

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Mechanical Properties

Material

Ultimate Tensile Str

Yield Strength

Weight

Finish

Sectional Properties

Sx
Sy
A (X-Section)

Units: [mm] in



Notes:

k2-systems.com

k2-systems.com

48

1.890

[39] 1.535

High corrosion resistance stainless steel and high grade aluminum

Modular construction, suitable for any system size, height adjustable

IBC compliant, stamped engineering letters available for all solar states

Composition shingle, tile, standing seam

For all common module types

Portrait and landscape

25 years

Drill connection into rafter



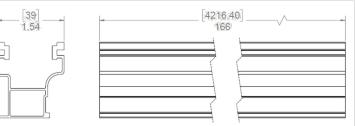


CROSSRAIL 44-X



	CrossRail 44-X
	6000 Series Aluminum
rength	37.7 ksi (260 MPa)
	34.8 ksi (240 MPa)
	0.47 lbs/ft (0.699 kg/m)
	Mill or Dark Anodized

CrossRail 44-X
0.1490 in3 (0.3785 cm3)
0.1450 in3 (0.3683 cm3)
0.4050 in2 (1.0287 cm2



Structural values and span charts determined in accordance with Aluminum Design Manual and ASCE 7-16 UL2703 Listed System for Fire and Bonding

k2-systems.com

Certificate

Standard

ISO 9001:2015

Certificate Registr. No.

01 100 101608

Certificate Holder:



K2 Systems GmbH Industriestr. 18 71272 Renningen Germany

Scope:

Development, production and distribution of innovative and customer-specific mounting systems for solar technology, including customer-oriented design calculations and services

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity:

The certificate is valid from 2020-03-09 until 2023-02-27. First certification 2017 Date of recertification audit: 2020-02-28 Expiry date of last certification cycle: 2020-02-27

2020-03-09

Deutsche Akkreditierungsstelle D-ZM-16031-01-00

TÜV Rheinland Cert GmbH Am Grauen Stein · 51105 Köln





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