

- FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS, BEST PRACTICES, AND SPECIFICATIONS
- WIRES SHALL BE RATED AND LABELED "SUNLIGHT RESISTANT" WHERE EXPOSED TO AMBIENT CONDITIONS
- THE PHOTOVOLTAIC SYSTEM SHALL NOT EXCEED 600 VOLTS OR 800 AMPS
- EACH ELECTRICAL APPLIANCE SHALL BE PROVIDED WITH A NAMEPLATE GIVING THE IDENTIFYING NAME AND THE RATING IN VOLTS AND AMPERES. OR VOLTS AND WATTS. IF THE APPLIANCE IS TO BE USED ON A SPECIFIC FREQUENCY OR FREQUENCIES, IT SHALL BE SO MARKED. WHERE MOTOR OVERLOAD PROTECTION EXTERNAL TO THE APPLIANCES IS REQUIRED, THE APPLIANCE SHALL BE SO MARKED
- WHERE APPLICABLE, GROUNDING ELECTRODE CONDUCTOR TO BE CONTINUOUS. GROUNDING CRIMPS TO BE IRREVERSIBLE
- GROUNDED DC PHOTOVOLTAIC ARRAYS SHALL BE PROVIDED WITH DC GROUND-FAULT PROTECTION THAT MEETS THE REQUIREMENTS OF NEC SECTION 690.5. UNGROUNDED DC PHOTOVOLTAIC ARRAYS SHALL COMPLY WITH NEC SECTION 690.35
- IN ONE- AND TWO-FAMILY DWELLINGS, LIVE PARTS IN PHOTOVOLTAIC SOURCE CIRCUITS AND PHOTOVOLTAIC OUTPUT CIRCUITS OVER 150 VOLTS TO GROUND, SHALL ONLY BE ACCESSIBLE TO QUALIFIED PERSONS WHILE ENERGIZED.
- PHOTOVOLTAIC SYSTEMS SHALL BE PERMANENTLY MARKED AT VARIOUS EQUIPMENT LOCATIONS TO IDENTIFY THAT A PHOTOVOLTAIC SYSTEM IS INSTALLED AND THAT VARIOUS DANGERS ARE PRESENT.
- EACH PHOTOVOLTAIC SYSTEM DISCONNECTING MEANS SHALL BE PERMANENTLY MARKED TO IDENTIFY IT AS A PHOTOVOLTAIC SYSTEM DISCONNECT
- WHERE ALL TERMINALS OF A DISCONNECTING MEANS MAY BE ENERGIZED IN THE OPEN POSITION, A WARNING SIGN SHALL BE MOUNTED ON OR ADJACENT TO THE DISCONNECT
- 12. A PERMANENT LABEL FOR THE DIRECT-CURRENT PHOTOVOLTAIC POWER SOURCE SHALL BE PROVIDED BY THE INSTALLED AT THE DC DISCONNECT **MEANS**
- A PERMANENT PLAQUE OR DIRECTORY, DENOTING ALL ELECTRIC POWER SOURCES SERVING THE PREMISES, SHALL BE INSTALLED AT EACH SERVICE EQUIPMENT LOCATION AND AT LOCATIONS OF ALL POWER PRODUCTION SOURCES
- 14. A PERMANENT PLAQUE OR DIRECTORY SHALL BE PROVIDED DENOTING THE LOCATIONS OF THE SERVICE DISCONNECT MEANS AND THE PHOTOVOLTAIC SYSTEM DISCONNECT MEANS IF THEY ARE NOT LOCATED AT THE SAME LOCATION.
- 15. ALL MODULE GROUND CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH NEC SECTION 690.4 (C)

EQUIPMENT GROUNDING CONDUCTOR ELECTRICAL METAL TUBING

GALV GALVANIZED

GEC GROUNDING ELECTRODE CONDUCTOR GND

GROUND CURRENT

EGC

EMT

CURRENT AT MAXIMUM POWER IMP SHORT-CIRCUIT CURRENT Isc

KILOVOLT AMPERE ΚVΑ KILOWATT κW MAX MAXIMUM MINIMUM MIN

MCB MAIN CIRCUIT BREAKER

ML0 MAIN LUG ONLY NOMINAL NOM NTS NOT TO SCALE PNOM NOMINAL POWER PV PHOTOVOLTAIC PVC POLYVINYL CHLORIDE SOLAR NOON

SN STC STANDARD TEST CONDITIONS

TYP **TYPICAL** V VOLT

VOLTAGE AT MAXIMUM POWER VMP Voc OPEN-CIRCUIT VOLTAGE

WATT

05/20/2021

W



2018 NORTH CAROLINA RESIDENTIAL CODE 2018 NORTH CAROLINA FIRE CODE

SHEET INDEX

PVI.I - PROJECT INFORMATION PV2.I - SITE INFORMATION PV3.1 - STRUCTURAL INFORMATION PV4.1 - ELECTRICAL INFORMATION PV5.I - EQUIPMENT LABELS

SITE CONDITIONS

ASCE 7-10 WIND SPEED - 118 MPH EXPOSURE CATEGORY - B RISK CATEGORY - II

LEGEND



DISCONNECT SWITCH



GND

CIRCUIT BREAKER

EQUIP. GROUND

CLIENT:

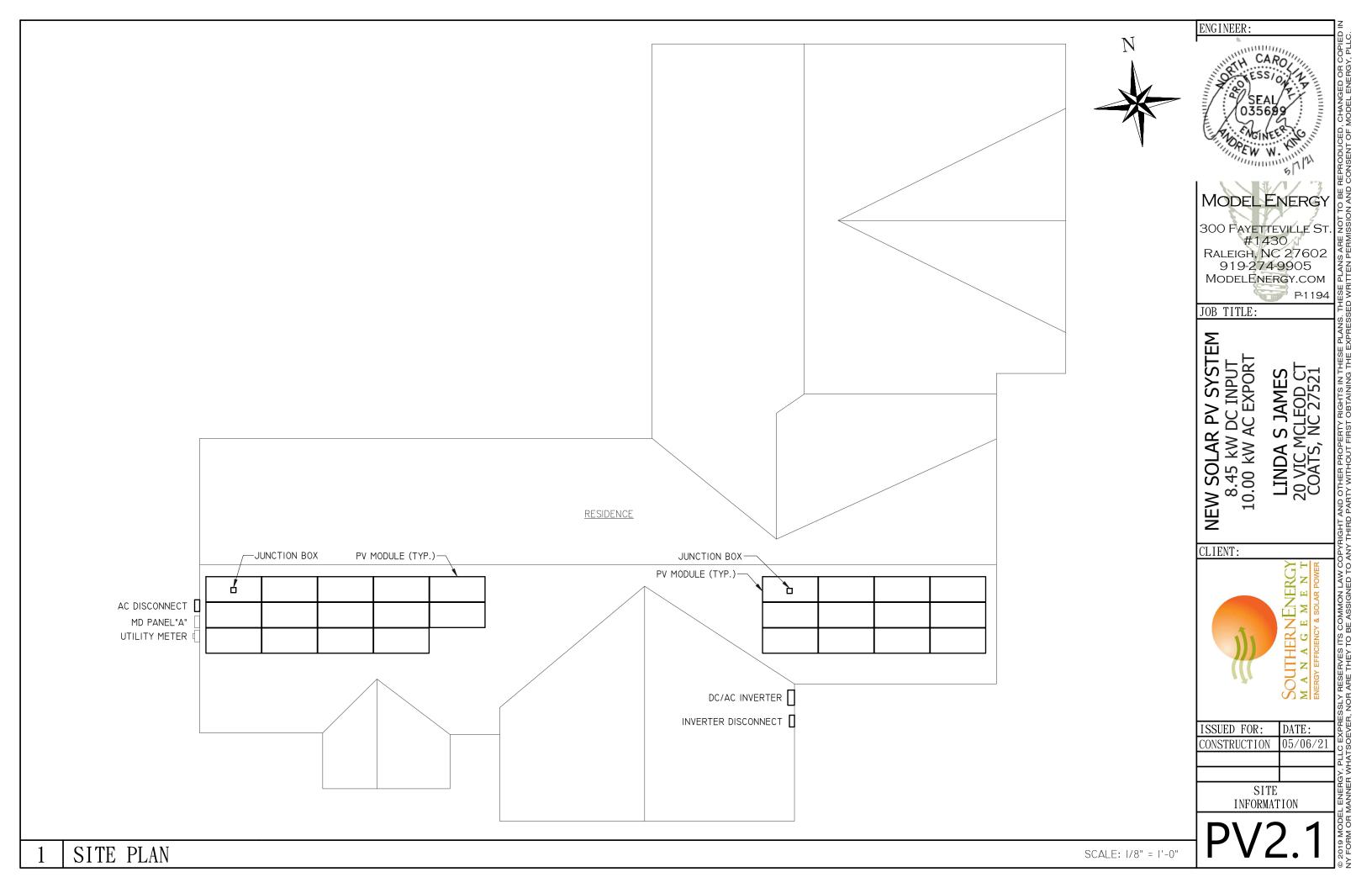
P-1194

LINDA 20 VIC N COATS,

ISSUED FOR: DATE:

CONSTRUCTION 05/06/23

> **PROJECT** INFORMATION



ROOF MOUNT & FASTENER					
ROOF MOUNT:					
MAKE	SNAPNRACK				
MODEL	RL UNIVERSAL				
MATERIAL	ALUMINUM				
FASTENER					
MAKE	GENERIC				
MODEL	LAG BOLT				
MATERIAL	304 SS				
SIZE	5/16"-18 X 3/4"				
GENERAL					
WEIGHT	I LBS				
FASTENERS PER MOUNT	I PER MOUNT				
MAX. PULL-OUT FORCE	800 LBS.				
SAFETY FACTOR	2				
DESIGN PULL-OUT FORCE	400 LBS.				

 LAG BOLT EMBEDDED WITH 2.5" OF THREAD IN WOOD RAFTER OR TRUSSES MEMBER

ROOF LOADING					
GROUND SNOW LOAD:	I5 LBS./SQFT.				
LIVE LOAD:	20 LBS./SQFT.				
DEAD LOAD:					
ROOFING	3.9 LBS./SQFT.				
PV ARRAY	2.3 LBS./SQFT.				
TOTAL	6.2 LBS./SQFT.				
WIND LOAD:					
UPLIFT ZONE I	-24.6 LBS./SQFT.				
UPLIFT ZONE 2	-29.0 LBS./SQFT.				
UPLIFT ZONE 3	-29.0 LBS./SQFT.				
DOWNWARD	23.0 LBS./SQFT.				
FASTENER LOAD:					
UPLIFT ZONE I	-239 LBS.				
UPLIFT ZONE 2	-282 LBS.				
UPLIFT ZONE 3	-94 LBS.				
DOWNWARD	224 LBS.				

ARRAY SUMMARY						
# MODULES	26					
# ROOF MOUNTS	61					
RAIL LENGTH	N/A					
ARRAY AREA	468 SQFT.					
ARRAY WEIGHT	IIOI LBS.					
AZIMUTH @ SN	187°					
TILT ANGLE	34°					

PV MODULES				
MAKE	REC			
MODEL	REC325NP			
WIDTH	39.3"			
LENGTH	66.0"			
THICKNESS	1.2"			
WEIGHT	40.0 LBS			

ROOF SUMMARY				
STRUCTURE:				
TYPE	RAFTERS			
MATERIAL	SOUTHERN PINE #2			
SIZE	2" X 8"			
SPACING	16" o.c.			
EFF. SPAN	7'-6"			
PITCH	10 / 12			
DENSITY	30 LBS./CU.FT.			
DECKING:				
TYPE	OSB			
MATERIAL	WOOD COMPOSITE			
THICKNESS	7/16"			
WEIGHT	I.6 LBS./SQFT.			
ROOFING:				
TYPE	ARCH SHINGLE			
MATERIAL	ASPHALT			
WEIGHT	2.3 LBS./SQFT.			

STATEMENT OF STRUCTURAL COMPLIANCE

THE EXISTING ROOF STRUCTURE HAS BEEN DESIGNED TO SUPPORT THE ADDITIONAL LOADS OF THE PROPOSED PV SYSTEM. IN ADDITION, THE RACKING AND FASTENING SYSTEM SHALL BE CAPABLE OF SECURING THE SYSTEM TO THE STRUCTURE UNDER DESIGN CONDITIONS WHEN INSTALLED PROPERLY AND IN ACCORDANCE WITH THE RACKING AND FASTENING ARRANGEMENT DETAILED WITHIN THESE DRAWINGS.

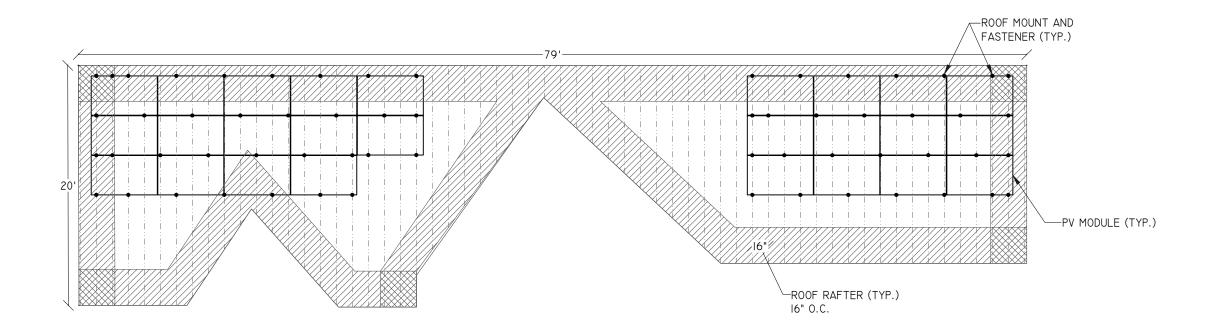
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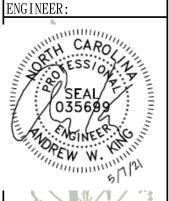
TIF: PROFESSIONAL ENGINEER

ROOF ZONES:

ALL ZONES MAX. RAIL OVERHANG = 12"

☐ ZONE I MAX. FASTENER SPAN ZONE I = 48"
☐ ZONE 2 MAX. FASTENER SPAN ZONE 2 = 48"
☐ ZONE 3 MAX. FASTENER SPAN ZONE 3 = 16"





MODEL ENERGY

300 FAYETTEVILLE ST. #1430 RALEIGH, NC 27602 919-274-9905 MODELENERGY.COM

P-1194

JOB TITLE:

NEW SOLAR PV SYSTEM 8.45 kW DC INPUT 10.00 kW AC EXPORT

CLIENT:

SOUTHERNENERGY MANAGEN EN THE NEW THE NEW THEOTHER OF THE OTHER OTHE

ISSUED FOR: DATE:
CONSTRUCTION 05/06/22

STRUCTURAL INFORMATION

PV3.1

PV MODULES				
MAKE	REC			
MODEL	REC325NP			
TECHNOLOGY	MONO-CRYST.			
NOM. POWER (PNOM)	325 WATTS			
NOM. VOLT. (VMP)	34.4 VOLTS			
O.C. VOLT. (Voc)	40.7 VOLTS			
MAX. SYS. VOLT.	1000 V (UL)			
TEMP. COEF. (VTc)	-0.27 %/°C			
NOM. CURR. (IMP)	9.46 AMPS			
S.C. CURR. (Isc)	10.28 AMPS			
MAX. SERIES FUSE	25 AMPS			

MODULE OPTIMIZA	ER
MAKE	SOLAREDGE
MODEL	P370
DC INPUT:	
RATED POWER	370 WATTS
VOLT. RANGE	8-60
MAX. SCC	II.0 AMPS
MAX. DC INPUT CURRENT	13.75 AMPS
DC OUTPUT:	
MAX. CURRENT	I5 AMPS
MAX. VOLT.	60 VOLTS
MAX. SYSTEM VOLT.	1000 VOLTS
MIN. STRING	8 OPTIMIZERS
MAX. STRING	25 OPTIMIZERS
MAX. POWER	
INVERTERS: SE3000H-SE6000H	5700 WATTS
INVERTERS: SE7600H-SEII400H	6000 WATTS

DC/AC INVERTER				
MAKE	SOLAREDGE			
MODEL	SEI0000H-US			
TECHNOLOGY	TRANS-LESS			
DC INPUT:				
MAX. POWER	15500 WATTS			
MAX. VOLT	480 VOLTS			
NOM. VOLT.	400 VOLTS			
MAX. CURRENT	27 AMPS			
MAX. SCC	45 AMPS			
STRINGS INPUTS	3 STRINGS			
AC OUTPUT:				
RATED POWER	10000 WATTS			
MAX. POWER	10000 WATTS			
NOM. VOLT.	240 VOLTS			
MAX. CURR.	42 AMPS			
GFP (Y/N)	YES			
RPP (Y/N)	YES			
GFCI (Y/N)	YES			
AFCI (Y/N)	YES			
DC DISC. (Y/N)	YES			
RAPID SHUTDOWN	AUTOMATIC			
FUSE RATING	I5 AMPS			
PROTECT. RATING	NEMA 4X			

JUNCTION BOX				
MAKE	SOLADECK			
MODEL	0783-3R			
PRO. RATING	NEMA 3R			
VOLT. RATING	600 VOLTS			
AMP RATING	120 AMPS			
UL LISTING	UI 50			

	CONDUCTOR SCHEDULE												
TAG	CUR.	RENT CA	RRYING CO.	NDUCTORS	GROUNDING CONDUCTORS		CONDUIT/RACEWAY				NOTES		
IAG	QTY.	SIZE	MATERIAL	INSULATION	QTY.	SIZE	MATERIAL	INSULATION	QTY.	SIZE	MATERIAL	LOCATION	TVOTES
CI	2	10 AWG	COPPER	PV WIRE	- 1	6 AWG	COPPER	PV WIRE	-	-	-	FREE AIR	ı
C2.I	2	10 AWG	COPPER	THWN-2	I	10 AWG	COPPER	THWN-2	ı	1/2"	FMC/EMT/MC	EXT/INT	2,4
C2.2	4	10 AWG	COPPER	THWN-2	I	10 AWG	COPPER	THWN-2	I	1/2"	FMC/EMT/MC	EXT/INT	2,4
C3	3	6 AWG	COPPER	THWN	I	10 AWG	COPPER	THWN	ı	3/4"	NOTE 5	INT/EXT	2,4,5
C4	3	6 AWG	COPPER	THWN	-	-	-	-	I	3/4"	NOTE 5	EXTERIOR	2,4,5,6
C5	3	14 AWG	COPPER	THWN	Ţ	14 AWG	COPPER	THWN	I	1/2"	NOTE 5	INT/EXT	2,4,5
XC	-	-	-	-	-	-	-	-	-	-	-	-	3

NOTES:

- MANUFACTURER PROVIDED, UL LISTED WIRING HARNESS FOR USE ON EXPOSED ROOFS
- CONDUIT SIZE SHOWN IS CODE MINIMUM. LARGER SIZES ARE ALLOWED.
- EXISTING CONDUCTORS, FIELD VERIFY
- EQUIPMENT TERMINAL RATING SHALL BE A MINIMUM OF 75°C AT BOTH END OF CONDUCTOR
- PVC, EMT, ROMEX, LFNMC & FMC ARE ACCEPTABLE WHEN USED IN ACCORDANCE WITH ARTICLES 330, 334, 348, 350, 352, 356, & 358
- 6. SERVICE CONDUCTORS SHALL NOT BE LONGER THAN 5' AND SHALL TERMINATE AT THE FIRST POINT OF DISCONNECT.

MONITORING SYSTEM				
MAKE	SOLAREDGE			
MODEL	SEI000-ZBGW-K5-NA			
METER	SE-MTR240-2-200-SI			
LINE TO LINE VOLTAGE	211-254 VAC			
WIRING	LI/L2/N/PE			
POWER CONSUMPTION	1.2W			
COMM. INTERFACE	RS485			
RATED RMS CURRENT	200 AMPS			
SAFETY	ULI74I			
ENGLOSUBE TYPE	ABS, ABS/PC			
ENCLOSURE TYPE	UL94V-0, IEC FV-0			
PROTECTION RATING	NEMA 3R			

INVERTER DISCONNECT				
MAKE	GENERIC			
MODEL	N/A			
ENCL. RATING	NEMA 3R			
VOLT. RATING	240 VOLTS			
AMP RATING	60 AMPS			
UL LIST. (Y/N)	YES			
FUSED (Y/N)	NO			
FUSE RATING	N/A			

T
GENERIC
N/A
NEMA 3R
240 VOLTS
60 AMPS
YES
YES
60 AMPS

NOTES:

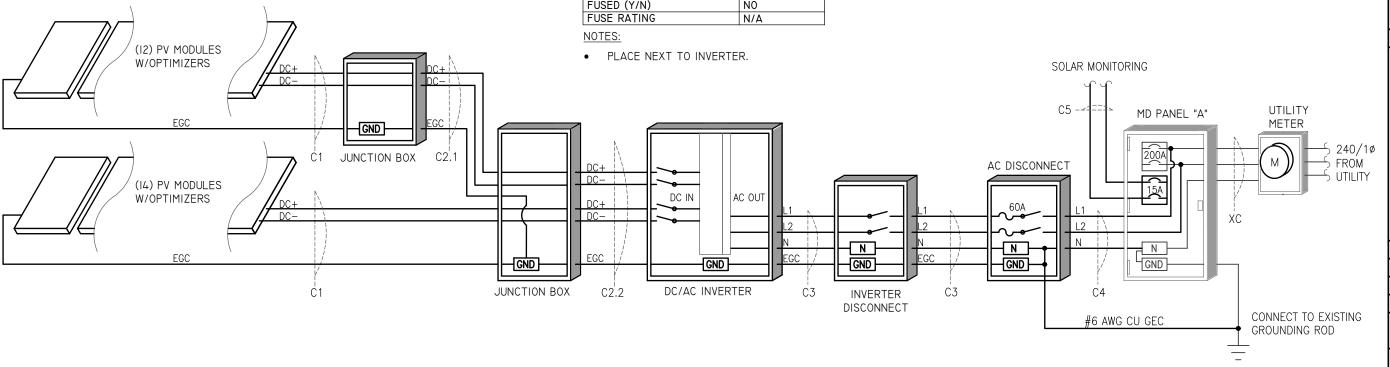
- LOAD-BREAK RATED
- VISIBLE OPEN
- LOCKABLE IN OPEN POSITION
- INSTALL ADJACENT TO METER
- DISCONNECT TO BE READILY ACCESSIBLE TO UTILITY COMPANY PERSONNEL AT ALL TIMES

MD PANEL "A"	(EXISTING)
MAKE	N/A
MODEL	N/A
ENCL. RATING	NEMA 3R
VOLT. RATING	240 VOLTS
BUS RATING	200 AMPS
UL LIST. (Y/N)	YES
MAIN BREAKER (Y/N)	YES
BREAKER RATING	200 AMPS

- BACK-FEED SOLAR OUTPUT VIA SUPPLY
- PROVIDE I5A CIRCUIT WITH OUTLET FOR



- SIDE TAP IN THE MD PANEL "A".
- SOLAR MONITORING EQUIPMENT.





ENGINEER:

MODEL ENERGY

300 FAYETTEVILLE ST

#1430 RALEIGH, NC 27602

919-274-9905 MODELENERGY.COM

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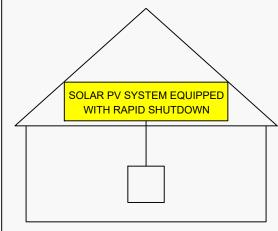
P-1194

DATE: CONSTRUCTION 05/06/23

> ELECTRICAL INFORMATION

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN
SWITCH TO THE
"OFF" POSITION TO
SHUT DOWN PV SYSTEM
AND REDUCE
SHOCK HAZARD
IN THE ARRAY



NEC 690.56 (C)(1)(a)

PLACE WITHIN 3FT OF SERVICE DISCONNECTING MEANS TO WHICH THE PV SYSTEMS ARE CONNECTED AND SHALL INDICATE THE LOCATIONS OF RAPID SHUTDOWN SWITCHES

WARNING: PHOTOVOLTAIC POWER SOURCE

NEC 690.31 (G)(3)&(4)

PLACE ON ALL JUNCTION BOXES, EXPOSED RACEWAYS, AND OTHER WIRING METHODS EVERY 10' AND ON EVERY SECTION SEPARATED BY ENCLOSURES, WALLS, PARTITIONS, CEILINGS, OR FLOORS.

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

NEC 690.56 (C)(3)

PLACE ON RAPID SHUTDOWN SWITCH OR EQUIPMENT WITH INTEGRATED RAPID SHUTDOWN *REFLECTIVE*

PV SYSTEM DISCONNECT

NEC 690.13 (B) PLACE ON PV SYSTEM DISCONNECTING MEANS.

WARNING

DUAL POWER SUPPLY

SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM

NEC 705.12 (B)(3)
PLACE ON ALL EQUIPMENT THAT IS SUPPLIED
BY BOTH POWER SOURCES

EQUIPMENT LABEL NOTES

- I. LABELS SHOWN ARE THEIR ACTUAL REQUIRED SIZE.
- 2. LABEL MATERIAL SHALL BE SUITABLE FOR THE EQUIPMENT ENVIRONMENT.
- 3. CONDUIT SHALL BE MARKED WITH REQUIRED LABEL EVERY 10 FEET.

WARNING

ELECTRIC SHOCK HAZARD

TERMINALS ON THE LINE AND
LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION

NEC 690.13 (B) PLACE ON PV SYSTEM DISCONNECTING MEANS.

WARNING

POWER SOURCE OUTPUT CONNECTION DO NOT RELOCATE THIS OVERCURRENT DEVICE

NEC 705.12 (B)(2)(3)(b)
PLACE ADJACENT TO BACK-FED BREAKER

DIRECT CURRENT
PHOTOVOLTAIC POWER SOURCE

MAXIMUM VOLTAGE 600 VDC

MAX CIR. CURRENT 30.0 AMPS

NEC 690.53 PLACE ON ALL DC DISCONNECTING MEANS

PHOTOVOLTAIC POWER SOURCE

OPERATING AC VOLT. 240 VAC

MAXIMUM OPERATING 42.0 AMPS

NEC 690.54
PLACE ON INTERCONNECTION
DISCONNECTING MEANS

SEAL OSSEAL OSSE

MODEL ENERGY

300 FAYETTEVILLE ST. #1430

RALEIGH, NC 27602 919-274-9905 MODELENERGY.COM

P-1194

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JOB TITLE:

NEW SOLAR PV SYSTEM 8.45 kW DC INPUT 10.00 kW AC EXPORT LINDA S JAMES

CLIENT:

SOUTHERNENERGY MANAGENT & SOLAR POWEF

ISSUED FOR: DATE:
CONSTRUCTION 05/06/21

EQUIPMENT

EQUIPMENT LABELS

PV5.1



REC N-PEAK SERIES

PREMIUM MONO N-TYPE SOLAR PANELS WITH SUPERIOR PERFORMANCE



MONO N-TYPE: THE MOST EFFICIENT C-SI TECHNOLOGY



NO LIGHT INDUCED DEGRADATION



SUPER-STRONG FRAME UP TO 7000 PA SNOW LOAD



FLEXIBLE INSTALLATION OPTIONS



IMPROVED
PERFORMANCE IN
SHADED CONDITIONS



GUARANTEED HIGH POWER OVER LIFETIME

330 WP

POWER

20

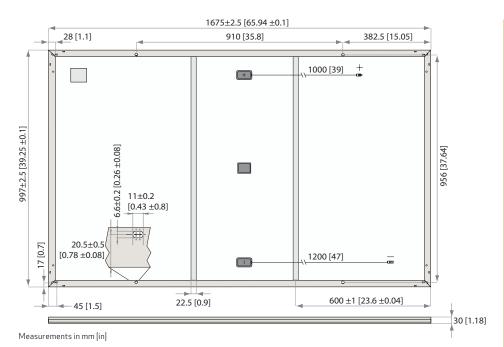
YEAR PRODUCT WARRANTY

0.5%

ANNUAL DEGRADATION OVER 25-YEAR POWER WARRANTY



REC N-PEAK SERII



ELECTRICAL DATA @ STC	Pro	duct code*:	RECxxxNP		
Nominal Power-P _{MPP} (Wp)	310	315	320	325	330
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - V _{MPP} (V)	33.6	33.9	34.2	34.4	34.6
Nominal Power Current - I _{MPP} (A)	9.24	9.31	9.37	9.46	9.55
Open Circuit Voltage - V _{oc} (V)	40.2	40.5	40.8	41.0	41.3
Short Circuit Current-I _{SC} (A)	10.01	10.09	10.18	10.27	10.36
Panel Efficiency (%)	18.6	18.9	19.2	19.5	19.8

Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 W/m², temperature 25°C), based on a production spread with a tolerance of $V_{OC} \& I_{SC} \pm 3\%$ within one watt class.* Where xxx indicates the nominal power class (P_{MPP}) at STC above.

ELECTRICAL DATA @ NOCT	P	roduct code	*: RECxxxNP		
Nominal Power - P _{MPP} (Wp)	234	238	241	245	249
Nominal Power Voltage - V _{MPP} (V)	31.1	31.4	31.7	31.9	32.1
Nominal Power Current - I _{MPP} (A)	7.51	7.56	7.62	7.69	7.76
Open Circuit Voltage - $V_{OC}(V)$	37.3	37.5	37.8	38.0	38.3
$ShortCircuitCurrent-I_{SC}(A)$	8.01	8.07	8.14	8.22	8.29

Nominal operating cell temperature (NOCT: air mass AM 1.5, irradiance 800 W/m², temperature 20°C, windspeed 1 m/s). * Where xxx indicates the nominal power class (P_{MPP}) at STC above.

CERTIFICATIONS











UL 1703 (Fire type 2); IEC 61215, IEC 61730 IEC 62804 (PID), IEC 61701 (Salt Mist), IEC 62716 (Ammonia), ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

WARRANTY

20 year product warranty 25 year linear power output warranty, maximum degression in performance of 0.5% p.a., giving 86% at end of year 25.

See warranty conditions for further details

GENERAL DATA

Cell type: 120 half-cut n-type mono c-Si cells

6 strings of 20 cells in series

Glass: 0.13" (3.2 mm) solar glass with anti-reflection surface treatment

Backsheet: Highly resistant polymeric

construction

Frame: Anodized aluminum (black)

3-part, 3 bypass diodes, IP67 rated Junction box:

in accordance with IEC 62790

Cable: 12 AWG (4 mm²) PV wire, 39 + 47" (1 m + 1.2 m)

in accordance with EN 50618

Connectors: Stäubli MC4 PV-KBT4/KST4, 12 AWG(4 mm²)

in accordance with IEC 62852 IP68 only when connected

Made in Singapore Origin:

MECHANICAL DATA

Dimensions: 65.9 x 39.25 x 1.1" (1675 x 997 x 30 mm) 17.98 ft²(1.67 m²) Area: Weight: 39.7 lbs (18 kg)

MAXIMUM RATINGS

Operational temperature: -40 ... +85°C Maximum system voltage: 1000 V 4666 Pa (97.5 lbs/ft2)* Design load (+): snow Maximum test load (+): 7000 Pa (146 lbs/ft2)3 Design load (-): wind 1600 Pa (33.4 lbs/ft2)* 2400 Pa (50 lbs/ft²)* Maximum test load (-): Max series fuse rating: 25 A Max reverse current: 25 A

> *Calculated using a safety factor of 1.5 *See installation manual for mounting instructions

TEMPERATURE RATINGS*

Nominal Operating Cell Temperature: 44°C(±2°C) Temperature coefficient of P_{MPP}: -0.35 %/°C Temperature coefficient of V_{oc}: -0.27 %/°C Temperature coefficient of I_{sc}: 0.04 %/°C

*The temperature coefficients stated are linear values

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC.



Founded in Norway in 1996, REC is a leading vertically integrated solar energy company. Through integrated manufacturing from silicon to wafers, cells, high-quality panels and extending to solar solutions, REC provides the world with a reliable source of clean energy. REC's renowned product quality is supported by the lowest warranty claims rate in the industry. REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC employs more than 2,000 people worldwide, producing 1.5 GW of solar panels annually.



Power Optimizer

For North America

P320 / P340 / P370 / P400 / P405 / P505





POWER OPTIMIZER

PV power optimization at the module-level

- 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
- 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**

P320 / P340 / P370 / P400 / P405 / 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)	P405 (for thin film modules)	P505 (for higher current modules)				
INPUT		-								
Rated Input DC Power ⁽¹⁾	320	340	370	400	405	505	W			
Absolute Maximum Input Voltage (Voc at lowest temperature)	2	48	60	80	125 ⁽²⁾	83(2)	Vdc			
MPPT Operating Range	8 -	- 48	8 - 60	8 - 80	12.5 - 105	12.5 - 83	Vdc			
Maximum Short Circuit Current (Isc)		11		10).1	14	Adc			
Maximum DC Input Current		13.75		12	.63	17.5	Adc			
Maximum Efficiency			99	9.5			%			
Weighted Efficiency			98.8			98.6	%			
Overvoltage Category				II						
OUTPUT DURING OPER	RATION (POWE	R OPTIMIZER CO	ONNECTED TO	OPERATING SO	LAREDGE INVER	RTER)				
Maximum Output Current			1	5			Adc			
Maximum Output Voltage		6	50		8	5	Vdc			
OUTPUT DURING STAN INVERTER OFF) Safety Output Voltage per Power Optimizer	·			0.1			Vdc			
STANDARD COMPLIAN	ICE									
EMC		FC	CC Part15 Class B, IEC6	51000-6-2, IEC61000-6	5-3					
Safety			IEC62109-1 (class	s II safety), UL1741						
RoHS			Y	es						
INSTALLATION SPECIFIC	CATIONS									
Maximum Allowed System Voltage			10	00			Vdc			
Compatible inverters		All Sc	olarEdge Single Phase	and Three Phase inv	erters					
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 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)	including cables) 630 ,			750 / 1.7	845 / 1.9	1064 / 2.3	gr / lb			
Input Connector	MC4 ⁽³⁾									
Output Wire Type / Connector			Double Inst	ulated; MC4						
Output Wire Length	0.95 / 3.0 1.2 / 3.9					m / ft				
Input Wire Length			0.16 ,	/ 0.52			m / ft			
Operating Temperature Range			-40 - +85 /	′ -40 - +185			°C / °F			
		1P68 / NEMA6P								
Protection Rating			IP68 / N	NEMA6P	ection Rating IP68 / NEMA6P tive Humidity 0 - 100					

⁽¹⁾ Rated STC power of the module. Module of up to +5% power tolerance allowed (2) NEC 2017 requires max input voltage be not more than 80V (3) For other connector types please contact SolarEdge

PV System D a SolarEdge	esign Using Inverter ⁽⁴⁾⁽⁵⁾	Single Phase HD-Wave	Single phase	Three Phase 208V	Three Phase 480V	
Minimum String Length	P320, P340, P370, P400	8	3	10	18	
(Power Optimizers)	P405 / P505	6)	8	14	
Maximum String Length (Power Optimizers)		25		25	50 ⁽⁶⁾	
Maximum Power per Strir	ng	5700 (6000 with SE7600-US - SE11400- US)	5250	6000(7)	12750 ⁽⁸⁾	W
Parallel Strings of Differer or Orientations	nt Lengths		Υ	/es		

⁽⁹ For detailed string sizing information refer to: http://www.solaredge.com/sites/default/files/string_sizing_na.pdf
(9) It is not allowed to mix P405/P505 with P320/P340/P370/P400 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
(9) For SE14.4KUS/SE43.2KUS: It is allowed to install up to 6,500W per string when 3 strings are connected to the inverter (3 strings per unit for SE43.2KUS) and when
the maximum power difference between the strings is up to 1,000W
(9) For SE30KUS/SE33.3KUS/SE66.6KUS/SE100KUS: It is allowed to install up to 15,000W per string when 3 strings are connected to the inverter (3 strings per unit for SE66.6KUS/SE100KUS)
and when the maximum power difference between the strings is up to 2,000W and when the maximum power difference between the strings is up to 2,000W

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 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

- UL1741 SA certified, for CPUC Rule 21 grid compliance
- Extremely small
- Built-in module-level monitoring
- Outdoor and indoor installation
- Optional: 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

	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	
APPLICABLE TO INVERTERS WITH PART NUMBER				SEXXXXH-XXXXXBXX	4			
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	А
Maximum Continuous Output Current @208V	-	16	-	24	-	-	48.5	А
Power Factor			1	, adjustable -0.85 to 0	.85			
GFDI Threshold				1				А
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		38	80			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	t Isolation Detection 600kΩ Sensitivity							
Maximum Inverter Efficiency	99			9	9.2			%
CEC Weighted Efficiency			Ğ	99			99 @ 240V 98.5 @ 208V	%
Nighttime Power Consumption				< 2.5				W

⁽¹⁾ For other regional settings please contact SolarEdge support

⁽²⁾ A higher current source may be used; the inverter will limit its input current to the values stated

Single Phase Inverter with HD-Wave Technology for North America

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

	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	
ADDITIONAL FEATURES								
Supported Communication Interfaces			RS485, Etherne	et, ZigBee (optional), C	Cellular (optional)			
Revenue Grade Data, ANSI C12.20				Optional ⁽³⁾				
Inverter Commissioning		with the	e SetApp mobile appli	cation using built-in W	/i-Fi station for local c	onnection		
Rapid Shutdown - NEC 2014 and 2017 690.12			Automatic Rap	id Shutdown upon AC	Grid Disconnect			
STANDARD COMPLIANCE								
Safety		UL1741	1, UL1741 SA, UL1699B	, CSA C22.2, Canadiar	n AFCI according to T	I.L. M-07		
Grid Connection Standards			IEE	E1547, Rule 21, Rule 14	4 (HI)			
Emissions				FCC Part 15 Class B				
INSTALLATION SPECIFICAT	TIONS							
AC Output Conduit Size / AWG Range		3/	/4" minimum / 14-6 A	WG		3/4" minimu	m /14-4 AWG	
DC Input Conduit Size / # of Strings / AWG Range		3/4" mir	nimum / 1-2 strings / 1	14-6 AWG		3/4" minimum / 1-3	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							
Operating Temperature Range		-40 to +140 / -40 to +60 ⁽⁴⁾						
Protection Rating			NEMA	4X (Inverter with Safet	ty Switch)			

⁽³⁾ Revenue grade inverter P/N: SExxxxH-US000BNC4



⁽⁴⁾ Full power up to at least 50°C / 122°F; for power de-rating information refer to: https://www.solaredge.com/sites/default/files/se-temperature-derating-note-na.pdf

DESCRIPTION: DRAWN BY: SNAPNRACK, MLPE FRAME ATTACHMENT KIT mwatkins **REVISION:** PART NUMBER(S): Α 595 MARKET STREET, 29TH FLOOR ◆ SAN FRANCISCO, CA 94105 USA PHONE (415) 580-6900 ◆ FAX (415) 580-6902 242-02151 THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC. 5 2 PARTS LIST ITEM QTY **DESCRIPTION** 1 SNAPNRACK, MLPE FRAME ATTACHMENT BOTTOM PRC BOLT, FLANGE, 5/16IN-18 X 3/4IN, CLEAR, SS 2 3 SNAPNRACK, SMART CLIP II 4 SNAPNRACK, COIL SPRING FOR MLPE FRAME ATTACHMENT SNAPNRACK, MLPE FRAME ATTACHMENT TOP PRC 5 MATERIALS: 6000 SERIES ALUMINUM, STAINLESS STEEL **OPTIONS:** DESIGN LOAD (LBS): N/A ULTIMATE LOAD (LBS): N/A TORQUE SPECIFICATION: 10 LB-FT **CERTIFICATION:** UL 2703, FILE E359313 WEIGHT (LBS): 0.13

DESCRIPTION:
SNAPNRACK, MLPE FRAME ATTACHMENT KIT

PART NUMBER(S):

(IT

mwatkins

DRAWN BY:

REVISION:

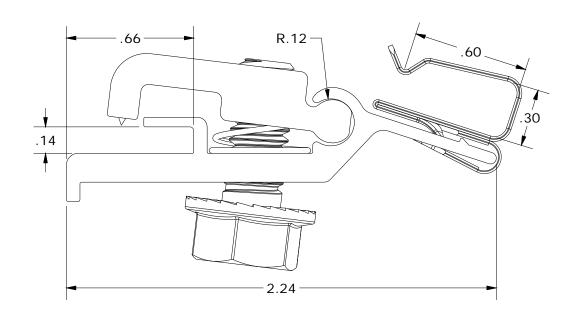
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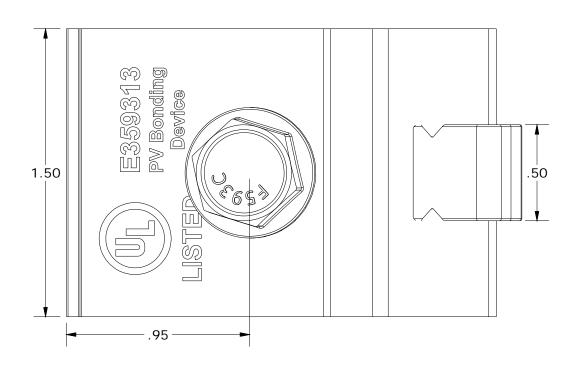
Solar Mounting Solutions

595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA

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ALL DIMENSIONS IN INCHES

DESCRIPTION:
SNAPNRACK, RL UNIVERSAL, ARRAY SKIRT

mwatkins REVISION:

Α

DRAWN BY:

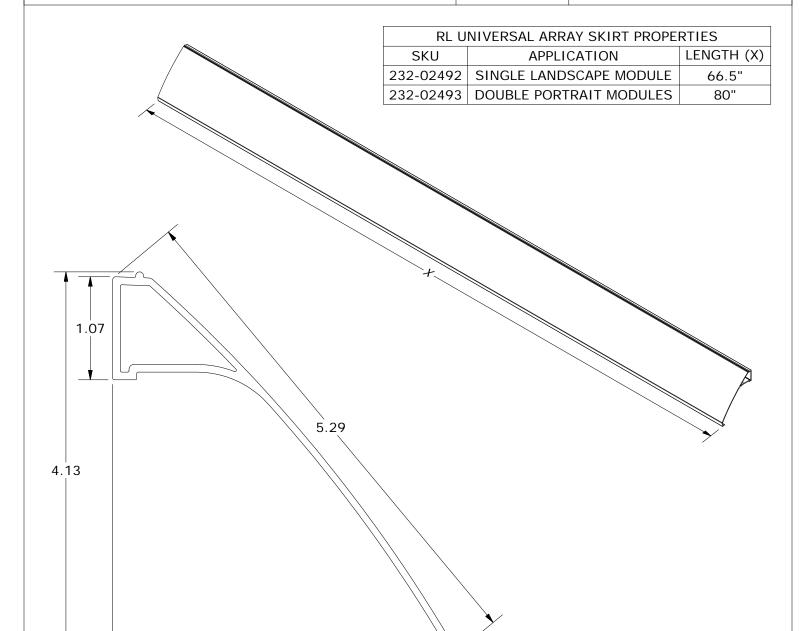
Solar Mounting Solutions

PART NUMBER(S):

232-02492, 232-02493

595 MARKET STREET, 29TH FLOOR ◆ SAN FRANCISCO, CA 94105 USA PHONE (415) 580-6900 ◆ FAX (415) 580-6902

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ALL DIMENSIONS IN INCHES

-3.46 (4.21 TO MODULE EDGE)

MATERIALS:	6000 SERIES ALUMINUM	OPTIONS:
DESIGN LOAD (LBS):	N/A	BLACK ANODIZED
ULTIMATE LOAD (LBS):	N/A	
TORQUE SPECIFICATION:	N/A LB-FT	
CERTIFICATION:	UL 2703, FILE E359313	
WEIGHT (LBS):	3.94 - 4.74	

DESCRIPTION: DRAWN BY: SNAPNRACK, RL UNIVERSAL, LINK mwatkins REVISION: PART NUMBER(S): A 595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA PHONE (415) 580-6900 • FAX (415) 580-6902 242-02156 THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC. 3 2

		PARTS LIST
ITEM	QTY	DESCRIPTION
1	1	SNAPNRACK, RL UNIVERSAL, LINK BOTTOM, MILL
2	1	SNAPNRACK, RL UNIVERSAL, LINK TOP, BONDING, BLACK
3	2	BOLT, FLANGE, SERRATED, 3/8IN-16 X 2-3/4IN, 1/2IN TRIM HEAD, 1.2IN THREAD, BLACK, SS
4	2	SNAPNRACK, RL UNIVERSAL, MOUNT SPRING, SS
5	1	SNAPNRACK, RL UNIVERSAL, LINK COLUMN SPACER

MATERIALS:	6000 SERIES ALUMINUM, STAINLESS STEEL, POLYCARBONATE	OPTIONS:
DESIGN LOAD (LBS):	N/A	
ULTIMATE LOAD (LBS):	N/A	
TORQUE SPECIFICATION:	12 LB-FT	
CERTIFICATION:	UL 2703, FILE E359313	
WEIGHT (LBS):	1.03	

DRAWN BY: **DESCRIPTION:** SNAPNRACK, RL UNIVERSAL, LINK mwatkins **REVISION:** PART NUMBER(S): A 595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA PHONE (415) 580-6900 • FAX (415) 580-6902 242-02156 THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC. 3.41-.75 SPACER CAN SLIDE ALONG LINK 7.25 5.25 1.55 .66 2.00

ALL DIMENSIONS IN INCHES

DESCRIPTION: SNAPNRACK, RL UNIVERSAL, MOUNT

mwatkins

REVISION:

DRAWN BY:

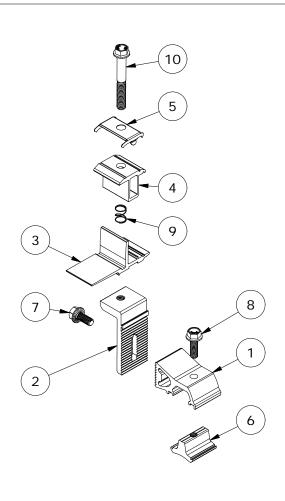
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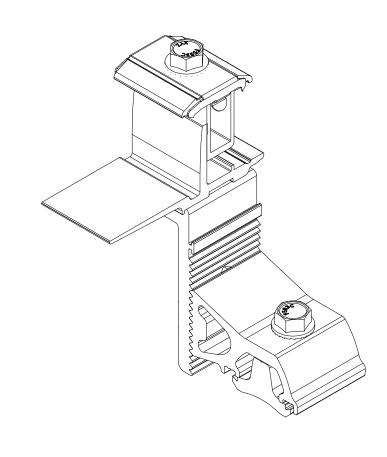
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		PARTS LIST
ITEM	QTY	DESCRIPTION
1	1	SNAPNRACK, RL UNIVERSAL, RISER, MILL
2	1	SNAPNRACK, RL UNIVERSAL, LEVELER, MILL
3	1	SNAPNRACK, RL UNIVERSAL, MOUNT BOTTOM, MILL
4	1	SNAPNRACK, RL UNIVERSAL, MOUNT TOP, BLACK
5	1	SNAPNRACK, RL UNIVERSAL, BONDING CLIP
6	1	SNAPNRACK, DROP IN/ROCK IN CHANNEL NUT
7	1	BOLT, FLANGE, 5/16IN-18 X 3/4IN, CLEAR, SS
8	1	BOLT, FLANGE, SERRATED, 5/16IN-18 X 1IN, SS
9	1	SNAPNRACK, RL UNIVERSAL, MOUNT SPRING, SS
10	1	BOLT, FLANGE, SERRATED, 3/8IN-16 X 2-3/4IN, 1/2IN TRIM HEAD, 1.2IN THREAD, BLACK, SS

MATERIALS:	6000 SERIES ALUMINUM, STAINLESS STEEL	OPTIONS:
DESIGN LOAD (LBS):	623 UP, 674 DOWN, 505 SIDE	
ULTIMATE LOAD (LBS):	N/A	
TORQUE SPECIFICATION:	12 LB-FT	
CERTIFICATION:	UL 2703, FILE E359313	
WEIGHT (LBS):	0.73	

DESCRIPTION: DRAWN BY: SNAPNRACK, RL UNIVERSAL, MOUNT mwatkins **REVISION:** PART NUMBER(S): A 595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA PHONE (415) 580-6900 • FAX (415) 580-6902 242-02155 THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC. - 1.50 -3.41 1.50 2.35 1.50 1.55 .66 2.00 1.00 1.24 SLOT 2.63 1.50 -ALL DIMENSIONS IN INCHES

DESCRIPTION: DRAWN BY: SNAPNRACK, RL UNIVERSAL, RIDGE MOUNT mwatkins **REVISION:** PART NUMBER(S): Α 595 MARKET STREET, 29TH FLOOR ● SAN FRANCISCO, CA 94105 USA PHONE (415) 580-6900 ● FAX (415) 580-6902 242-02157 THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC. 10

	PARTS LIST				
	ITEM	QTY	DESCRIPTION		
	1	1	SNAPNRACK, RL UNIVERSAL, RIDGE MOUNT EXTENSION, 16-3/4IN, MILL		
	2	1	SNAPNRACK, RL UNIVERSAL, RIDGE MOUNT LEVELER, MILL		
	3	1	SNAPNRACK, RL UNIVERSAL, MOUNT BOTTOM, MILL		
	4	1	SNAPNRACK, RL UNIVERSAL, MOUNT SPRING, SS		
	5	1	SNAPNRACK, RL UNIVERSAL, MOUNT TOP, BLACK		
	6	1	SNAPNRACK, RL UNIVERSAL, BONDING CLIP		
	7	1	BOLT, FLANGE, SERRATED, 3/8IN-16 X 2-3/4IN, 1/2IN TRIM HEAD, 1.2IN THREAD, BLACK, SS		
	8	1	BOLT, FLANGE, SERRATED, 5/16IN-18 X 7/8IN, SS		
	9	1	NUT, FULL HEX, 5/16IN-18, FLAT, SS		
	10	1	SNAPNRACK, RL UNIVERSAL, RIDGE MOUNT TRACK, 7-1/2IN, MILL		
	11	1	BOLT, FLANGE, SERRATED, 5/16IN-18 X 1-3/4IN, SS		
MATERI	RIALS: 6000 SERIES ALUMINUM, STAINLESS STEEL OPTIONS:		NS:		

311 UP, 337 DOWN, 252 SIDE

UL 2703, FILE E359313

N/A

2.36

12 LB-FT

DESIGN LOAD (LBS):

CERTIFICATION: WEIGHT (LBS):

ULTIMATE LOAD (LBS):

TORQUE SPECIFICATION:

DRAWN BY: **DESCRIPTION:** SNAPNRACK, RL UNIVERSAL, RIDGE MOUNT mwatkins **REVISION:** PART NUMBER(S): A 242-02157 THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC. **-** 2.36 **-**4.46 3.41 1.50 1.50-1.55 -2.00 .66 3.10 1.00 0 **SLOT** - 7.50 1.57 -1.50 --2.36 **-►** - 16.75 -ALL DIMENSIONS IN INCHES

DESCRIPTION:

SNAPNRACK, RL UNIVERSAL, SKIRT SPACERS

PART NUMBER(S):

232-02494, 232-02495, 232-02496, 232-02497

DRAWN BY:

mwatkins

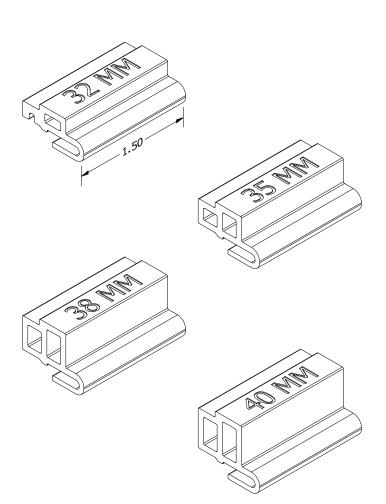
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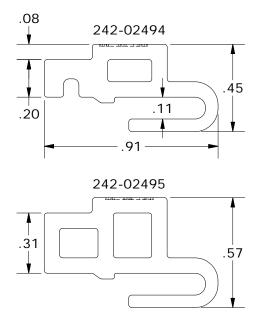


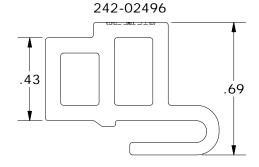
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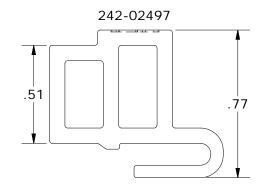
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RL UNIVERSAL SKIRT SPACER PROPERTIES				
SKU	MODULE FRAME SIZE	COLOR		
232-02494	32 MM	GOLD		
232-02495	35 MM	BLUE		
232-02496	38 MM	BLACK		
232-02497	40 MM	SILVER/CLEAR		







ALL DIMENSIONS IN INCHES

MATERIALS:	6000 SERIES ALUMINUM	OPTIONS:
DESIGN LOAD (LBS):	N/A	32 MM FRAMES
ULTIMATE LOAD (LBS):	N/A	35 MM FRAMES
TORQUE SPECIFICATION:	N/A LB-FT	38 MM FRAMES
CERTIFICATION:	UL 2703, FILE E359313	40 MM FRAMES
WEIGHT (LBS):	0.03 - 0.04	

DESCRIPTION:

SNAPNRACK, RL UNIVERSAL, SPEEDSEAL™ MOUNT
KIT

PART NUMBER(S):

mwatkins

DRAWN BY:

REVISION:

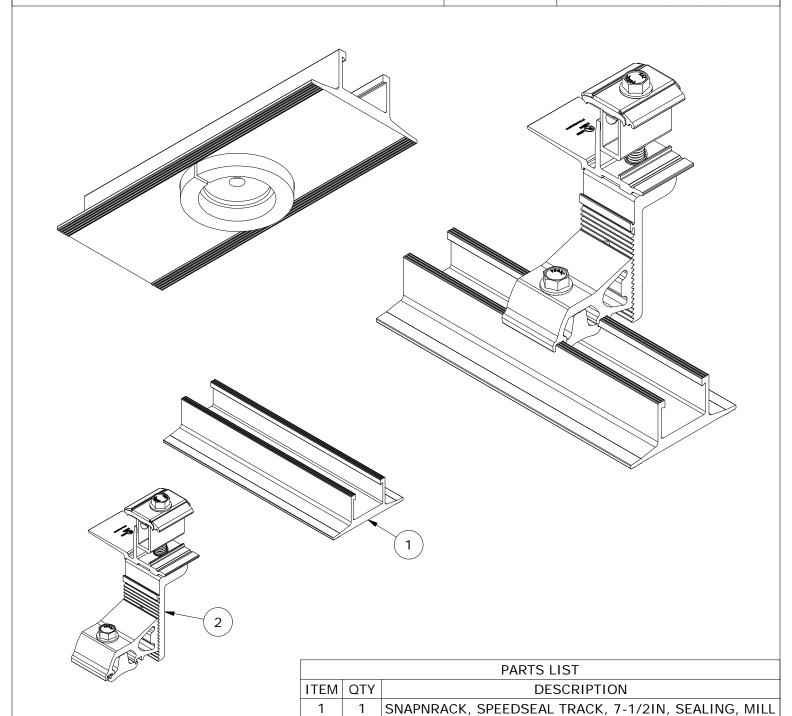
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Solar Mounting Solutions

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242-92642



MATERIALS:	6000 SERIES ALUMINUM, STAINLESS STEEL, FOAM
DESIGN LOAD (LBS):	623 UP, 674 DOWN, 505 SIDE
ULTIMATE LOAD (LBS):	N/A
TORQUE SPECIFICATION:	12 LB-FT
CERTIFICATION:	UL 2703, FILE E359313; WIND-DRIVEN RAIN TEST FROM UL SUBJECT 2582
WEIGHT (LBS):	1.39

2

SNAPNRACK, RL UNIVERSAL, MOUNT

DESCRIPTION: SNAPNRACK, RL UNIVERSAL, SPEEDSEAL™ MOUNT KIT

mwatkins

DRAWN BY:

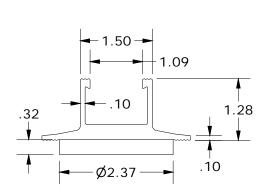
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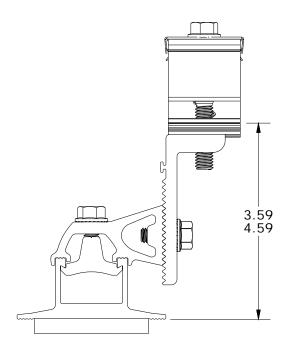
242-92642

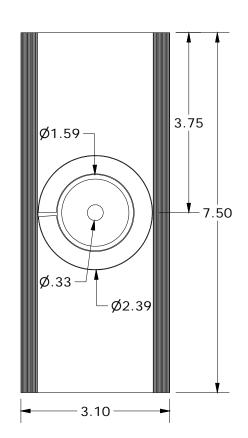
REVISION: A

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ALL DIMENSIONS IN INCHES

DESCRIPTION: DRAWN BY: SNAPNRACK, WIRE SAVER mwatkins **REVISION:** PART NUMBER(S): Α 595 MARKET STREET, 29TH FLOOR ● SAN FRANCISCO, CA 94105 USA PHONE (415) 580-6900 ● FAX (415) 580-6902 242-92262 THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC. 1.50 .12 1.16-.30 -.30 .38 1.08 1.09 1.47 .49 .39 .45 -R.13 .23 PARTS LIST ITEM QTY **DESCRIPTION** 1.07 .75 1 1 SNAPNRACK, WIRE SAVER TOP 2 SNAPNRACK, WIRE SAVER BOTTOM MATERIALS: **POLYCARBONATE OPTIONS:** DESIGN LOAD (LBS): N/A N/A ULTIMATE LOAD (LBS):

TORQUE SPECIFICATION:

CERTIFICATION:

WEIGHT (LBS):

N/A LB-FT

N/A 0.022