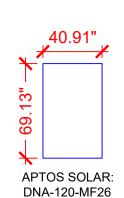


ROOF DESCRIPTION				
ROOF TYPE			COMPOSITION SHINGLE	
ROOF LAYER			1 LA	YER
ROOF	ROOF TILT	AZIMUTH	TRUSS SIZE	TRUSS SPACING
#1	26°	286°	2X4	24"
#2	26°	196°	2X4	24"
#3	26°	182°	2X4	24"

ARRAY AREA & ROOF AREA CALC'S				
ROOF	# OF MODULES	ARRAY AREA (Sq. Ft.)	ROOF AREA (Sq. Ft.)	ROOF AREA COVERED BY ARRAY (%)
#1	10	196.30	739.53	27
#2	3	58.89	127.79	46
#3	15	294.45	366.79	80



365W MODULES

LEGEND

SD - SOLADECK

INV - INVERTER

CB - COMBINER BOX

ACD - AC DISCONNECT

SLD - SOLAR LOAD CENTER

UM - UTILITY METER

MSP - MAIN SERVICE PANEL

- VENT, ATTIC FAN (ROOF OBSTRUCTION)

ROOF ATTACHMENT

---- - TRUSS

--- - CONDUIT

LUMINA SUN SMART HOME Go Solar

LuminaSun Smart Home LLC 344 Rolling Hill Rd #104, Mooresville, NC 28117

REVISIONS			
DESCRIPTION	DATE	REV	
INITIAL	10/21/2021		
SUBPANEL LOCATION CHANGE	11/05/2021	Α	

SIGNATURE WITH SEAL

DATE:10/21/2021

PROJECT NAME & ADDRESS

THOMAS L SANDERS 335 DARK WOOD DR SPRING LAKE, NC 28390

DC SIZE:10.220kW AC SIZE:10.000kW

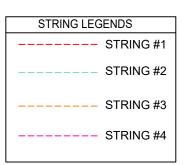
DRAWN BY

ESR

SHEET NAME ROOF PLAN

& MODULES
SHEET SIZE

ANSI B 11" X 17"







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DATE:10/21/2021

335 DARK WOOD DR SPRING LAKE, NC 28390

PROJECT NAME & ADDRESS

THOMAS L SANDERS

DC SIZE:10.220kW AC SIZE:10.000kW

DRAWN BY

ESR

SHEET NAME STRING LAYOUT

SHEET SIZE

ANSI B 11" X 17"

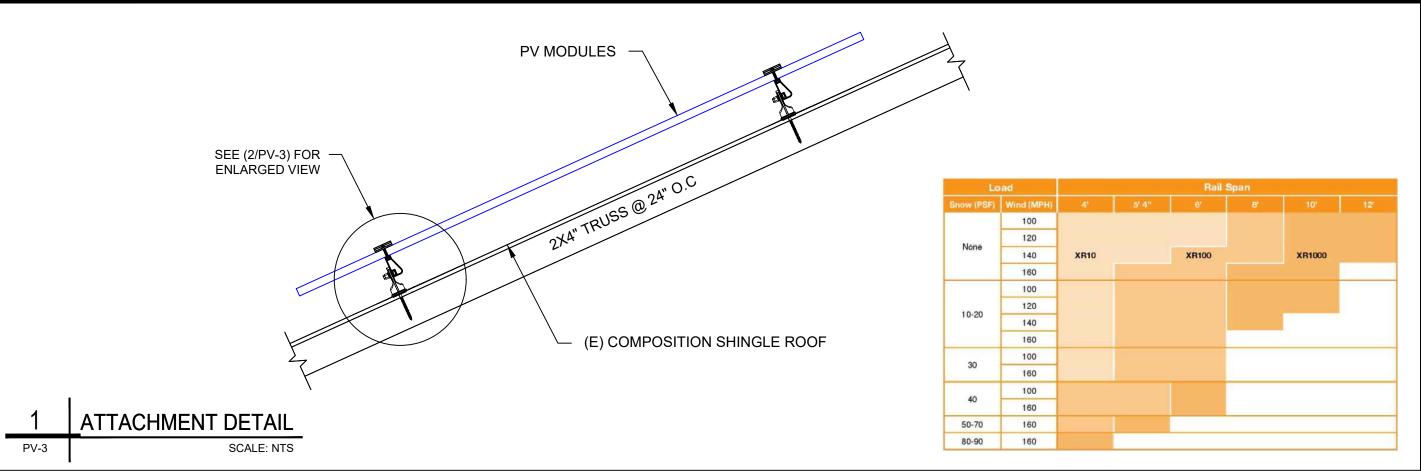
SHEET NUMBER PV-2A

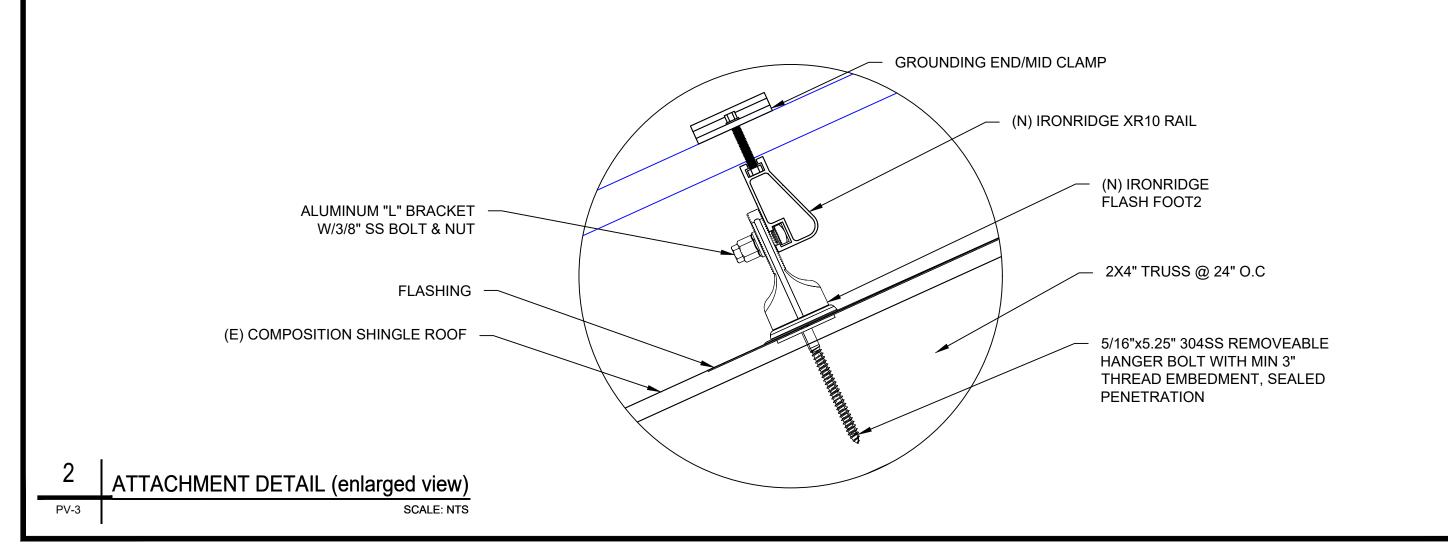
STRING #1 — (8 MODULES) STRING #2 (7 MODULES) STRING #3 (7 MODULES) STRING #4 (6 MODULES)

ARRAY PLAN WITH STRING LAYOUT

PV-2A

SCALE: 1/16" = 1'-0"







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DATE:10/21/2021 PROJECT NAME & ADDRESS

THOMAS L SANDERS

335 DARK WOOD DR SPRING LAKE, NC 28390 DC SIZE:10.220kW

AC SIZE:10.000kW

DRAWN BY

ESR

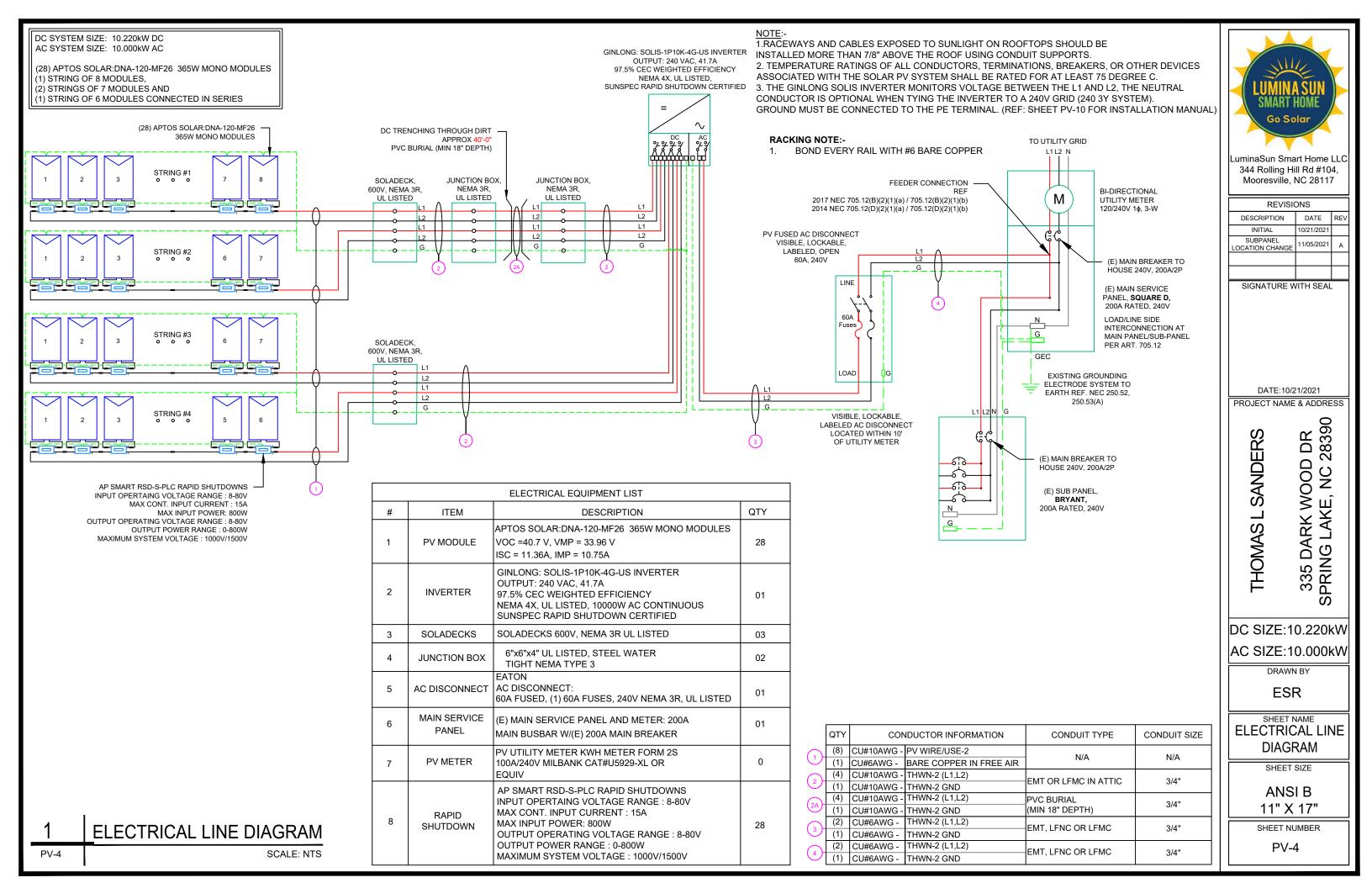
SHEET NAME **ATTACHMENT DETAIL**

SHEET SIZE

ANSI B 11" X 17"

SHEET NUMBER

PV-3



LABEL 1

On all conduits spaced at Max 10ft

WARNING: PHOTOVOLTAIC POWER SOURCE

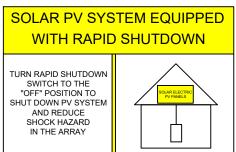
LABEL 2

At AC Disconnect AND MEP

CAUTION: SOLAR ELECTRIC SYSTEM CONNECTED

LABEL 3

At Inverter



LABEL 4

At DC Disconnect

PHOTOVOLTAIC
DC DISCONNECT

LABEL 5

At each AC Disconnect



ELECTRICAL SHOCK HAZARD

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

LABEL 6

At each AC Disconnect



LABEL 7

At AC Disconnect AND MEP

WARNING DUAL POWER SOURCE SECOND SOURCE IS PHOTOVOLTAIC SYSTEM

LABEL 8

At Main Service Panel



TURN OFF PHOTOVOLTAIC AC DISCONNECT PRIOR TO WORKING INSIDE PANEL

LABEL 9

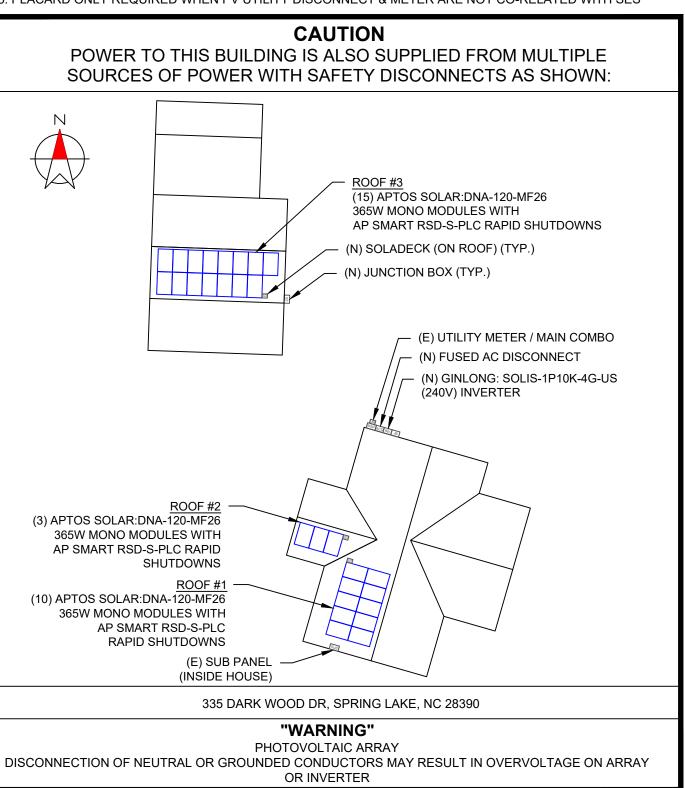
At Utility Meter

△ WARNING

THIS SERVICE METER
IS ALSO SERVED BY A
PHOTOVOLTAIC SYSTEM

NOTES

- 1. NEC ARTICLES 690 AND 705 AND CRC SECTION R324 MARKINGS SHOWN HEREON
- 2. ALL MARKINGS SHALL CONSIST OF THE FOLLOWING:
 - A. UV RESISTANT SIGN MATERIAL WITH ENGRAVED OR MACHINE PRINTED LETTERS OR ELECTRO-PLATING
 - B. RED BACKGROUND COLOUR WITH WHITE TEXT AND LINE WORK
 - C. ARIAL FONT
- 3. ALL SIGNS SHALL BE SIZED APPROPRIATELY AND PLACED IN THE LOCATION SPECIFIED
- 4. SIGNS SHALL BE ATTACHED TO THE SERVICE EQUIPMENT USING POP-RIVETS OR SCREW
- 5. PLACARD ONLY REQUIRED WHEN PV UTILITY DISCONNECT & METER ARE NOT CO-RELATED WITH SES





344 Rolling Hill Rd #104, Mooresville, NC 28117

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SIGNATURE WITH SEAL

DATE:10/21/2021
PROJECT NAME & ADDRESS

THOMAS L SANDERS
335 DARK WOOD DR

335 DARK WOOD SPRING LAKE, NC 2

28390

DC SIZE:10.220kW AC SIZE:10.000kW

DRAWN BY

ESR

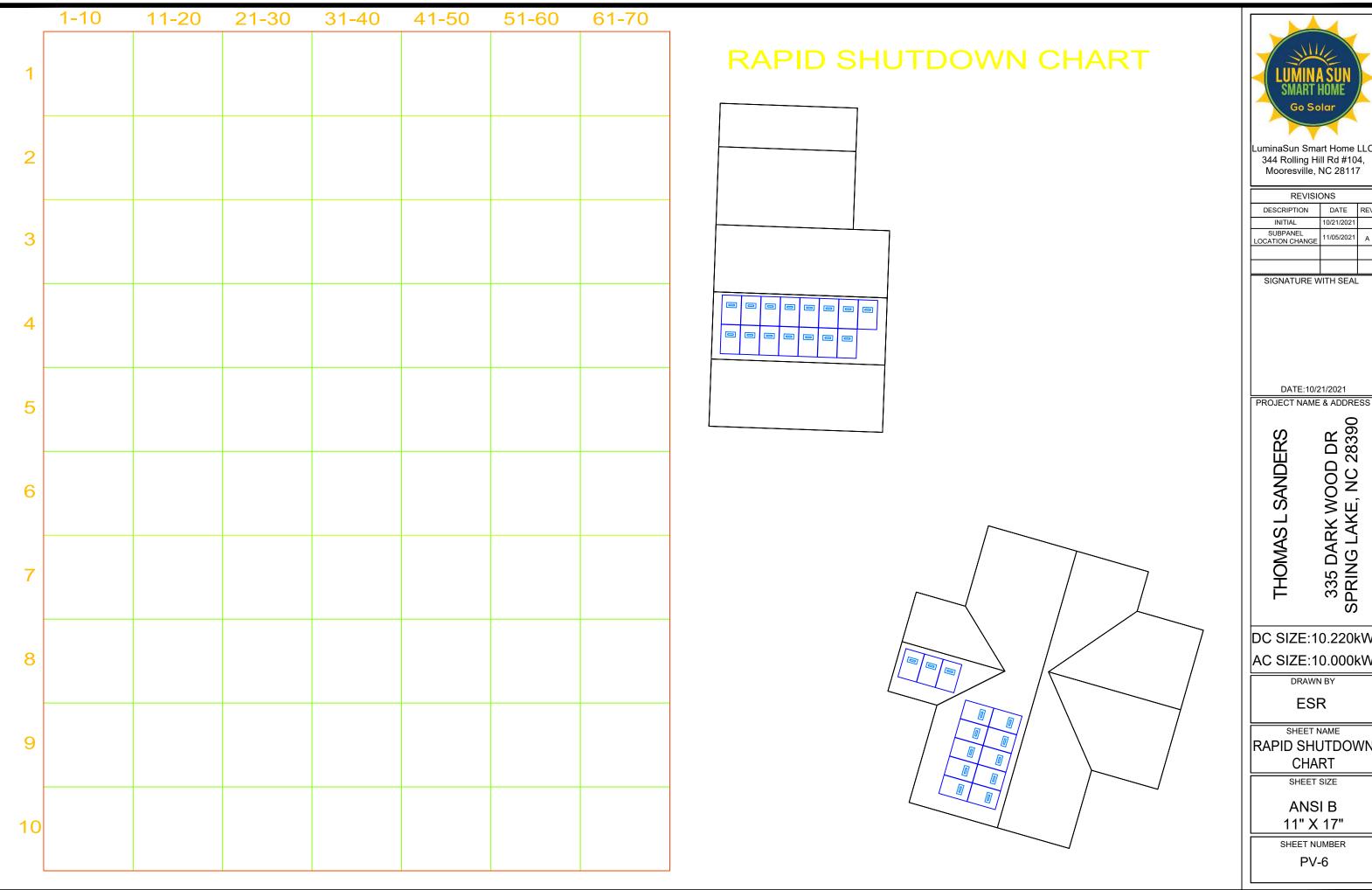
SHEET NAME

LABELS

SHEET SIZE

ANSI B

11" X 17"





LuminaSun Smart Home LLC 344 Rolling Hill Rd #104, Mooresville, NC 28117

REVISIONS			
DESCRIPTION	DATE	REV	
INITIAL	10/21/2021		l
SUBPANEL LOCATION CHANGE	11/05/2021	Α	
			1

DC SIZE:10.220kW AC SIZE:10.000kW

SHEET NAME

RAPID SHUTDOWN

SHEET SIZE

ANSI B 11" X 17"

Solar for Innovators

Residential | Commercial







RETC Top Performer



3140 De La Cruz Blvd., Ste 200 Santa Clara, CA 95054 www.aptossolar.com info@aptossolar.com

Designed & Engineered in Silicon Valley 370W I 365W I 360W

Our DNA™ Split Cell Series impressively combines advanced solar technologies to maximize performance. Our patented Dual Nano Absorber (DNA™) Technology allows the panel to operate at high-efficencies in extreme temperatures. Contact our sales team today to learn more about our line of high-efficienty solar panels.



Patented DNA™ technology boosts power performance & module efficiency



Advanced split cell technology with 9 ultra-thin busbars allows for less resistance and more photon capture



Ideal solution for applications affected by shading



All-black design for pristine aesthetics No excessive silver bussing or ribbons

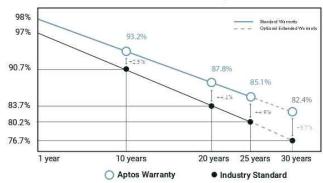


Robust product design is reslient in extreme weather. Up to 5400 Pa snow load and 210 mph wind speeds

intertek (E

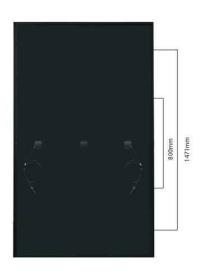


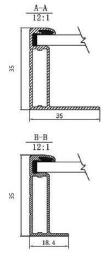
Linear Performance Warranty



DNATM 120







Solar for Innovators

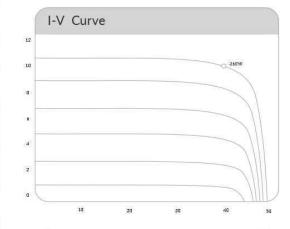
Elec	trical Specifiactions	DNA-120-MF26-360W	DNA-120-MF26-365W	DNA-120-MF26-370W
STCra	ted Output P _{mpp} (W)	360W	365W	370W
Modu	le Efficiency	19.73%	20.01%	20.29%
Open	Circuit Voltage V _{voc} (V)	40.6	40.7	40.8
Short	Circiut Current I _{sc} (A)	11.24	11.36	11.51
Rated	Voltage V _{mmp} (V)	33.8	33.96	34.06
Rated	Voltage I _{mmp} (A)	10.66	10.75	10.87
Standard	Test Conditions for front-face of panel: 1000 V	V/m², 25°C, measurement ur	certainty <3%	

Temperature Coefficients	
Temperature Coefficients P _{mip}	-0.36%
Temperature Coefficients I _{sc}	+0.05%/°C
Temperature Coefficients V _{oc}	-0.29%/°C
Normal Operating Cell Temperature (NOCT)	44°C

Test Operating Conditions	
Maximum Series Fuse	20A
Maximum System Voltage	1,500 VDC (UL&IEC)
Maximum Load Capacity (Per UL 1703)	5400 PA Snow Load / 210mph Wind Rating
Fire Performance Class	Class C/Type 1

Packaging Configuration	
Number of Modules per Pallet	30
Number of Pallets per 40ft. Container	26
Pallet Dimensions	1740 X 1140 X 1165
Pallet Weight (kg)	640
Container Weight (kg)	16640

Mechanical Properties	
Cell Type	Monocrystalline
Glass	 3.2mm, anti-reflection coating, high transmission, low iron, tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68
Dimensions	1756 X 1039 X 35mm
Output Cable	4mm2 (EU)12AWG,39.37in.(1200mm)
Weight	45.19lbs.(20.5kg)
Cable Length	1200mm
Encansulant	DOE









LuminaSun Smart Home LLC 344 Rolling Hill Rd #104, Mooresville, NC 28117

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SIGNATURE WITH SEAL

DATE:10/21/2021

PROJECT NAME & ADDRESS

THOMAS L SANDERS
335 DARK WOOD DR
SPRING LAKE, NC 28390

DC SIZE:10.220kW AC SIZE:10.000kW

DRAWN BY

ESR

SHEET NAME EQUIPMENT SPECIFICATION

SHEET SIZE

ANSI B 11" X 17"

SHEET NUMBER
PV-7

Aptos Solar Technology reserves the right to make specification changes without notice



Raising the bar in innovative DC MLPE solar power systems



RSD-S-PLC

- Meets NEC 2017 (690.12) requirements
- Executes rapid shutdown of system when Transmitter-PLC signal is absent
- Meets SunSpec requirements

RSD-S-PLC Technical Data

Model	RSD-S-PLC
Input Data (DC)	
Input operating Voltage Range	8-80V
Maximum Cont. Input Current (Imax)	15A
Maximum Input Power	800W
Output Data (DC)	
Output operating Voltage Range	8-80V
Output Power Range	0-800W
Maximum System Voltage	1000V/1500V
Mechanical Data	
Operating Ambient Temperature Range	-40 °C to + 85 °C (-40 °F to +185 °F)
Dimensions (without cable&connectors)	5" x 1.2" x 0.6"(129 mm x 30 mm x 16 mm)
Cable length	Input 250mm/Output 1200mm
Module Connector	MC4
Enclosure Rating	Type 6P / IP68
Overtemperature protection	Yes
Features & Compliance	
Communication	PLC
Safety Compliance	NEC 2017 (690.12); UL1741; CSA C22.2 No. 330-17; IEC/EN62109-1; 2PFG2305
EMC Compliance	FCC Part15; ICES-003; IEC/EN61000-6-1/-2/-3/-4

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LuminaSun Smart Home LLC 344 Rolling Hill Rd #104, Mooresville, NC 28117

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	REVISION	ONS	
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335 DARK WOOD DR SPRING LAKE, NC 28390

DC SIZE:10.220kW AC SIZE:10.000kW

DRAWN BY

ESR

SHEET NAME EQUIPMENT SPECIFICATION

SHEET SIZE

ANSI B 11" X 17"



Solis-1P(6-10)K-4G-US

Solis 4G Single Phase US Inverters



Features:

- ► CA Rule 21 Phase I and II compliant (ready for Phase III) and UL 1741 (SA) certified
- ▶ Sunspec communication protocol with optional cellular and Wi-Fi interface
- ▶ Built-in Module Level Rapid Shutdown transmitter, NEC 2017:690.12 compliance
- ▶ Optional Built-in Revenue Grade Meter, ANSI C12.20-2010 compliance
- ▶ Industry-leading 3 and 4 MPPT designs
- ► Integrated Arc Fault Circuit Interrupt (AFCI)
- ▶ 97.8% peak efficiency (97.5% CEC efficiency)
- ▶10 years standard warranty with extension options



Solis-1P10K-4G-US

Model:

 Solis-1P6K-4G-US
 Solis-1P7K-4G-US

 Solis-1P7.6K-4G-US
 Solis-1P8K-4G-US

 Solis-1P8.6K-4G-US
 Solis-1P9K-4G-US

Warranty

Model	Solis-1P6K-4G-US	Solis-1P7K-4G-US	Solis-1P7.6K-4G-US	Solis-1P8K-4G-US	Solis-1P86K-4G-U	Solis-1P9K-4G-US	Solis-1P10
DC Values							
Max. DC input power (watts)	7200	8400	9100	9600	9900	10800	115
Max. voltage (volts)				600			
Rated voltage (volts)				330			
Startup voltage (volts)				120			
Operating MPPT voltage range (volts)				100-500			
Max. usable input current per MPPT (amps)		3*10			2	\$*10	
Max. short circuit input current (amps)		3*15.6			4	*15.6	
Number of MPPTs/Max, input strings number		3/3				4/4	
AC Values							
Nominal and max output power 240V grid (watts)	6000	7000	7600	8000	8600	9000	100
Nominal and max. output power 208V grid (watts)	6000	7000	7600	8000	8600	9000	90
Nominal grid voltage (volts)				240/208			
Nominal grid frequency (hertz)				60			
Operating phase				Single Phase			
Max. output current for 240V grid (amps)	25	29.2	31.7	33.3	35.8	37.5	41
Max. output current for 208V grid (amps)	28.8	33.7	36.5	38.5	41.3	43.3	43
Output power factor				>0.99			
Output power factor range			0.8	leading 0.8 lag	ging		
Grid current THD				<3%	0 0		
Efficiency							
Peak efficiency				97.8%			
CEC weighted efficiency				97.5%			
MPPT efficiency		>97.5%					
Protection							
DC reverse-polarity protection				Yes			
AC short circuit protection				Yes			
AC output overcurrent protection		Yes Yes					
Output overvoltage protection-Varistor		Yes					
Ground fault monitoring				Yes			
Grid monitoring				Yes			
Islanding protection				Yes			
Integrated AFCI (DC arc-fault circuit protection)				Yes			
Integrated DC switch				Yes			
Rapid shutdown				Yes			
General Data				103			
Dimensions (width*height*depth)			13 5*28	8*9.8in (342*732*	'749 mm)		
Weight		45.2lbs (20.5 kgs)		0 0 10 11 (0 12 1 02		s (20.7kgs)	
Topology		15.2165 (25.5 1165)		Transformerless		, (= 0.1.1/B-)	
Internal consumption				<1W (night)			
Ambient operating temperature range			-13°F	to 140°F (-25°C t	o 60°)		
Enclosure type			-13.1	NEMA 4X	0.00 /		
Noise emission (typical)				<30dB(A)			
Cooling concept			,	Vatural convection			
Max. operating altitude without derating Designed lifetime		13, 120ft (4000 m)					
Compliance	L 1741,	UL 1741 SA, Rule				1998, UL 1699B, IEE	E 1547,
Features			ruc ratt 15 (Cla	ss A & B), CAN/C	on CZZ.Z 101.1-1		
RGM				Ontional			
			Modbus	Optional PTII / Suprement	moliant		
Communication protocol				RTU (Sunspec co			
Communication		26		onal cellular and		e alde and b	
Connections		2 knockout for 1"conduit at bottom, 4 knockout for 3/4"conduit at side and back					
Display				LCD-2×20 Z			

10 Years standard (extendable to 20 years)





LuminaSun Smart Home LLC 344 Rolling Hill Rd #104, Mooresville, NC 28117

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INITIAL	10/21/2021		
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SIGNATURE WITH SEAL

DATE:10/21/2021

PROJECT NAME & ADDRESS

THOMAS L SANDERS 335 DARK WOOD DR SPRING LAKE, NC 28390

DC SIZE:10.220kW AC SIZE:10.000kW

DRAWN BY

ESR

SHEET NAME
EQUIPMENT
SPECIFICATION

SHEET SIZE

ANSI B 11" X 17"

4. Installation

4. Installation

0-61-6-6	Cross	section	
Cable type	Range	Recommended value	
Industry generic PV cable (model:PV1-F)	4.0~6.0 (12~10AWG)	4.0 (12AWG)	

▲ Table 4.1 DC cable size



Damage to the DC Disconnect due to enlarged knockouts. Enlarged knockouts enable moisture to penetrate the DC Disconnect which could damage electronic components in the DC Disconnect.

Please refer to figure 4.9, The acceptable wire size range is from 12 AWG to 8 AWG, copper conductors only; refer to local code for appropriate wire size.

4.3.3 Connect Grid Side of Inverter

The Ginlong Solis 6-10kW Single Phase inverters can be connected to a 208V or 240V grid. The default setting is for a 240VAC single phase grid. Since the inverter monitors voltage between L1 and L2, the neutral conductor can be connected or not connected when tying the inverter to a 240V grid. Ground must be connect to the PE terminal.

Cable type	Cross	ection
	Range	Recommended value
Industry generic grid cable	4~25mm² (12~4AWG)	10-25mm² (8-4AWG)

▲ Table 4.2 Grid cable size

There are two cable connection point for each phase, one for grid, one for AC power of RSD.

GRID	L3 L2				L1 N L2	
	208V~ 3PH-△-3W			SI	240V~ PLIT-PHA	\$E
TERMINAL	L1 L2 N			L1	L2	N
Connection requiement	Yes	Yes	No	Yes	Yes	Optional

▲Table 4.3 Grid Terminal Connection

4.3.4 Ground Connection

Internal ground connection point

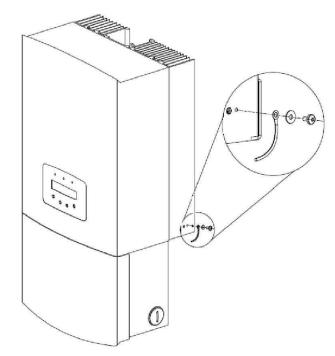
Please see figure 4.10. Both DC and AC ground cable can be connect to ground terminal Above DC switch. The acceptable wire size for ground is 12AWG to 4 AWG. The torque is 26 in-lbs (3 Nm).



▲ Figure 4.10 Grounding Terminal on Heat-Sink

External ground connection point

An external ground connection is provided at the right side of inverter. Prepare OT terminals: M4. Use proper tooling to crimp the lug to the terminal. Connect the OT terminal with ground cable to the right side of inverter. The torque is 20 in-lbs (2Nm).



▲ Figure 4.11 Connect the External Grounding Conductor



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DATE:10/21/2021

PROJECT NAME & ADDRESS

THOMAS L SANDERS DR

DARK WOOD S SPRING LAKE,

DC SIZE:10.220kW AC SIZE:10.000kW

DRAWN BY

ESR

SHEET NAME **EQUIPMENT SPECIFICATION**

SHEET SIZE

ANSI B 11" X 17"



Flush Mount System



Built for solar's toughest roofs.

IronRidge builds the strongest mounting system for pitched roofs in solar. Our components have been tested to the limit and proven in extreme environments, including Florida's high-velocity hurricane zones.

Our rigorous approach has led to unique structural features, such as curved rails and reinforced flashings, and is also why our products are fully certified, code compliant and backed by a 25-year warranty.



Strength Tested

All components evaluated for superior structural performance.



Pre-stamped engineering letters



Certified to maintain the fire resistance



Online software makes it simple to create, share, and price projects.



Products guaranteed to be free of impairing defects.

XR Rails (1)

XR10 Rail

UFOs



A low-profile mounting rail for regions with light snow.

- · 6' spanning capability
- · Moderate load capability
- · Clear and black finish

Clamps & Grounding (#)

Universal Fastening Objects

· Fully assembled & lubed

XR100 Rail



The ultimate residential solar mounting rail.

- · 8' spanning capability
- · Heavy load capability

Stopper Sleeves

· Clear and black finish

Snap onto the UFO to turn

into a bonded end clamp.

· Bonds modules to rails

· Sized to match modules

· Clear and black finish

Conduit Mount

XR1000 Rail



A heavyweight mounting rail for commercial projects.

- · Extreme load capability

CAMO

- · 12' spanning capability
- · Clear anodized finish

Bonded Splices



All rails use internal splices for seamless connections.

- Self-drilling screws
- · Varying versions for rails
- · Forms secure bonding

SIGNATURE WITH SEAL

uminaSun Smart Home LLC 344 Rolling Hill Rd #104. Mooresville, NC 28117

REVISIONS

DATE:10/21/2021 PROJECT NAME & ADDRESS

THOMAS L SANDERS

28390

2

SPRING LAKE,

 DR

DARK WOOD

335

DC SIZE:10.220kW

AC SIZE:10.000kW

DRAWN BY

ESR

SHEET NAME

EQUIPMENT

SPECIFICATION

SHEET SIZE

DATE

10/21/2021

11/05/2021

DESCRIPTION

INITIAL

SUBPANEL

LOCATION CHANG

Bonding Hardware



Bond modules to rails while staying completely hidden.

- Universal end-cam clamp
- · Tool-less installation
- Fully assembled

Bond and attach XR Rails to roof attachments.

- T & Square Bolt options
- · Nut uses 7/16" socket
- · Assembled and lubricated

Attachments @ -

bond modules to rails.

· Single, universal size

· Clear and black finish

FlashFoot2



Flash and mount XR Rails with superior waterproofing.

- · Twist-on Cap eases install
- · Wind-driven rain tested
- · Mill and black finish

Flash and mount conduit. strut, or junction boxes.

- · Twist-on Cap eases install
- Wind-driven rain tested
- Secures ¾" or 1" conduit

Knockout Tile



Replace tiles and ensure superior waterproofing.

- Flat, S, & W tile profiles
- · Form-fit compression seal
- · Single-lag universal base

All Tile Hook



Mount on tile roofs with a simple, adjustable hook.

- · Works on flat, S, & W tiles
- · Single-socket installation
- · Optional deck flashing

Resources



Design Assistant

Go from rough layout to fully engineered system. For free. Go to IronRidge.com/design



Endorsed by FL Building Commission

Flush Mount is the first mounting system to receive Florida Product approval for 2017 Florida Building Code compliance. Learn More at bit.ly/floridacert

ANSI B 11" X 17" SHEET NUMBER

PV-11

Class A Fire Rating

rating of the existing roof.



UL 2703 Listed System

Entire system and components meet newest effective UL 2703 standard.



PE Certified

available in most states.

Design Assistant

25-Year Warranty

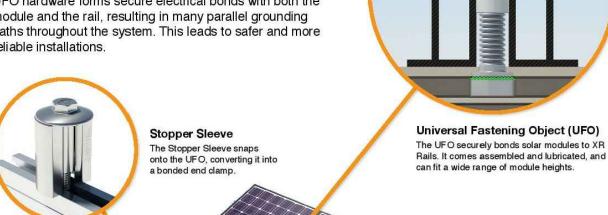


UFO Family of Components

Simplified Grounding for Every Application

The UFO family of components eliminates the need for separate grounding hardware by bonding solar modules directly to IronRidge XR Rails. All system types that feature the UFO family-Flush Mount, Tilt Mount and Ground Mount—are fully listed to the UL 2703 standard.

UFO hardware forms secure electrical bonds with both the module and the rail, resulting in many parallel grounding paths throughout the system. This leads to safer and more reliable installations.



Bonded Splice

Each Bonded Splice uses self-drilling screws to form a secure connection. No bonding strap needed.



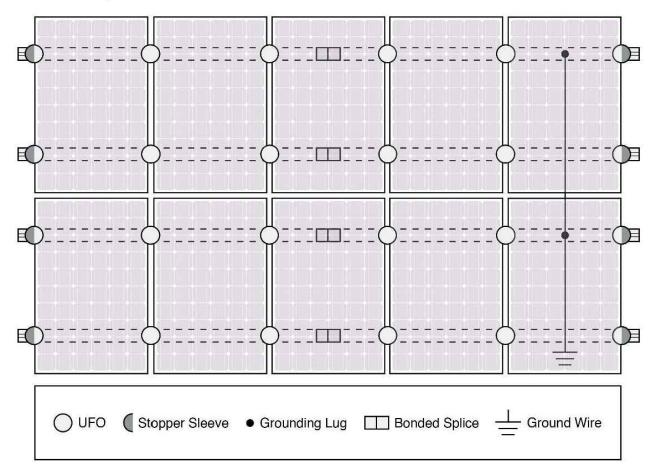
Grounding Lug

A single Grounding Lug connects an entire row of PV modules to the grounding conductor.

Bonded Attachments

The bonding bolt attaches and bonds the L-foot to the rail. It is installed with the same socket as the rest of the system

System Diagram



Approved Enphase microinverters can provide equipment grounding of IronRidge systems, eliminating the need for grounding lugs and field installed equipment ground conductors (EGC). A minimum of two microinverters mounted to the same rail and connected to the same Engage cable is required. Refer to installation manuals for additional details.

UL Certification

The IronRidge Flush Mount, Tilt Mount, and Ground Mount Systems have been listed to UL 2703 by Intertek Group plc.

UL 2703 is the standard for evaluating solar mounting systems. It ensures these devices will maintain strong electrical and mechanical connections over an extended period of time in extreme outdoor environments.

Go to IronRidge.com/UFO

	Cross-System	Compatibility	
Feature	Flush Mount	Tilt Mount	Ground Mount
XR Rails	✓	•	XR1000 Only
UFO/Stopper	~	~	~
Bonded Splice	~	~	N/A
Grounding Lugs	1 per Row	1 per Row	1 per Array
Microinverters & Power Optimizers	Darfon - M	0-72, M250-60, M 11G240, MIG300, C P320, P400, P405	
Fire Rating	Class A	Class A	N/A
Modules	ANNA SECTION OF PRINTING AND SECTION OF THE PERSON OF THE	ated with over 400 llation manuals for	



uminaSun Smart Home LLC 344 Rolling Hill Rd #104. Mooresville, NC 28117

REVISIONS			
DATE	REV		
10/21/2021			
11/05/2021	Α		
	DATE 10/21/2021		

SIGNATURE WITH SEAL

DATE:10/21/2021

PROJECT NAME & ADDRESS 28390

THOMAS L SANDERS DR DARK WOOD

SPRING LAKE, NC

DC SIZE:10.220kW AC SIZE:10.000kW

DRAWN BY

ESR

SHEET NAME **EQUIPMENT SPECIFICATION**

SHEET SIZE

ANSI B 11" X 17"



Basic Features

- Stamped Seamless Construction
- 18 Gauge Galvanized Steel
- Powder Coated Surfaces
- Flashes into the roof deck
- 3 Roof deck knockouts .5", .75", 1"
- 5 Centering dimples for entry/exit fittings or conduit
- · 2 Position Ground lug installed
- · Mounting Hardware Included



SolaDeck Model SD 0783



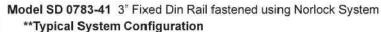
SolaDeck UL50 Type 3R Enclosures

Available Models: Model SD 0783 - (3" fixed Din Rail) Model SD 0786 - (6" slotted Din Rail)

SolaDeck UL 1741 Combiner/Enclosures

Models SD 0783-41 and SD 0786-41 are labeled and ETL listed UL STD 1741 according to the UL STD 1741 for photovoltaic combiner enclosures.

Max Rated - 600VDC, 120AMPS



- 4- Din Rail Mounted Fuse Holders 600VDC 30 AMP
- 1- Power Distribution Block 600VDC 175AMP
- 1- Bus Bar with UL lug

Model SD 0786-41 6" Slotted Din Rail fastened using steel studs

- **Typical System Configuration
- 4- Din Rail Mounted Fuse Holders 600VDC 30 AMP
- 4- Din Rail Mounted Terminal Blocks Bus Bars with UL lug

**Fuse holders and terminal blocks added in the field must be UL listed or recognized and meet 600 VDC 30 AMP 110C for fuse holders, 600V 50 AMP 90C for rail mounted terminal blocks and 600 V 175 AMP 90C for Power Distribution Blocks. Use Copper Wire Conductors.



conduit or fittings, base is center dimpled for fitting locations.



Model SD 0783-41, wired with Din Rail mounted fuse holders, bus bar and power distribution



Model SD 0786-41, wired with Din Rail mounted fuse holders. terminal blocks and bus bars.

LuminaSun Smart Home LLC 344 Rolling Hill Rd #104, Mooresville, NC 28117

REVISIONS			
DESCRIPTION	DATE	REV	
INITIAL	10/21/2021		
SUBPANEL LOCATION CHANGE	11/05/2021	Α	

SIGNATURE WITH SEAL

DATE:10/21/2021

PROJECT NAME & ADDRESS

DR 28390 THOMAS L SANDERS DARK WOOD

2

SPRING LAKE,

DC SIZE:10.220kW AC SIZE:10.000kW

DRAWN BY

ESR

SHEET NAME **EQUIPMENT SPECIFICATION**

SHEET SIZE

ANSI B 11" X 17"

SHEET NUMBER PV-13

RSTC Enterprises, Inc • 2219 Heimstead Road • Eau Cliare, WI 54703 For product information call 1(866) 367-7782