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SPLT-1.8K-1000A-30-4X16K-LED-AT-BC

1.8KW Solar Power Generator w/ Pneumatic Light Tower Mast - (4) LED Lights - 64000 Lumens - 36 Hours

Product ID: 234898



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

SPLT-1.8K-1000A-30-4X16K-LED-AT-BC Mobile Solar Power Light Plant

Solar System Specs:

Panels: (6) 300-Watt panels
Method of Deployment: Rotating axis, hydraulic actuator
Average charge capacity: 66 amps per hour
Panel protection: Fused combiner box
System Protection: Battery over/under and ground fault
System Voltage: 24 Volts

Battery Bank Specs:

Battery Bank: (8) 12-Volt 250aH batteries
Battery Type: 8D Sealed AGM - Maintenance Free
Battery capacity: 1000ah total and 500ah usable
Inverter: None
Run Time: 36.5 Hrs @ 25%, 18.25 hrs @ 50%, 12.15 hrs @ 75%, 9.125 hrs@ 100%
Alternate Charger: Yes - 120V or 240V Charger
Charging Cable: 100` 12/3 SOOW w/ 5-20, L5-20, 6-20, or L6-20 cord cap

Light Mast Specs:

Mast Type: Pneumatic
Length: 8.25` to 30`
Mast Head: 56"-L x 30"-H x 4"-D
Capacity: 150 lbs
Mast Materials:Heat Treated 6063B/T5 Aluminum
Operation: Pneumatic via Electric Air Compressor

Features

Fully Solar, No Fuel Needed
1.8KW Solar Generator
Single Axle Trailer
Hydraulic Actuator for Raising/Lowering Panels
Automatic Timer and Dusk-to-Dawn Sensor
Maximum Power Point Tracking (MPPT) Charge Controller
AC Battery Bank Rapid Charger w/ 100` Cable & 20A Plug
Solar Compatible Electrical Switches & Breakers
1400 CFM Cooling Fan
(8) 12V DC Deep Cycle AGM Batteries - 1000AH
Sealed Batteries - Maintenance Free
Lights Operational While Charging
Up to 36.5 Hours Operational Runtime on Single Charge
Battery State/Charge Meter w/ Visual Display
Pneumatic Light Tower Extends 30` Above Trailer Deck Height
360° Mast Rotation w/ Position Key-way Locks
(4) 135 Watt LED Lights - 64,000 Lumens
50,000+ Hour LED Lamp Life - CREE LEDs
70% Lumen Retention after 50,000 Hours
Durable NEMA 3R Ventilated Housing to Protect Solar and Power Generation Components
2" Ball Hitch or 3" Pintle Hitch w/ Height Adjustment
16` x 6` Trailer bed - <13` Towing Height
3,000 lbs Towing Weight
High Wind Locking Stabilization Arms for Solar Panels

Air Compressor: 24V DC Electric Air Compressor
Stages: Five
Stage Lengths: 88.5"L x 5.5"D Base section, 86.6"L x 4.65"D, 85.4"L x 3.85"D, 84.25"L x 3.23"D, 83.1"L x 2.6"D Top section

LED Light Specs:
Lamp Type: CREE LED
Total Watts: 540W (135W per lamp)
Total Lumens: 64,000 (16,000 per lamp)
Luminous Efficiency: 118.5 lm/w
LED Color Temperature: Cool White - 5000K
LED Life Expectancy: 50,000 hours
Optical Efficiency: 98% - High Transmittance Lens
Power Efficiency: >95%
Power Factor: 0.992
Mounting: Flat Surface Trunnion Mount U-Bracket
Materials: Die Cast Aluminum Housing, Polycarbonate Lens
Housing Color: Brown
Housing Finish: Powder Coated
Ambient Temperature Range: -25°C to +70°C
Waterproof Rating: IP67

Trailer Specs
Materials: Steel
Bed Type: Expanded Metal
Trailer Dimensions: 16`-L x 6`-W Trailer Bed
Trailer Bed Height: 23" Above Ground
Total Collapsed Height (w/o Lights): 10`-2"
Total Collapsed Height (w/ Lights): 12`
Total Extended Height (w/o Lights): 31`-11"
Total Extended Height (w/ Lights): 32`-10"
Footprint: 16`-L x 10`-W w/ Outriggers Extended & Tongue Removed
Hitch: 2" Ball Coupler or 3" Pintle Hitch - Adjustable Height
Tongue: Removable
Finish: Industrial Grade Coating
Lighting: Stop/Tail/Turn & License Plate Lights
Wiring: 7-Pin Flat Trailer Plug (standard)
Axle: (1) 5,400 lbs
Suspension: 3,500 lbs Double Eye Leaf Springs
Brakes: Electrics Brakes w/ Breakaway Switch
Outriggers: (4) 24" Retractable Outriggers w/ 2,000 lbs Manual Leveling Jacks
Wheels: (2) 15" 5x4.5 Steel Rims
Tires: ST205/75/D15 H188
Mounting: Towable Trailer, 5,400 lbs Axle, 2" Ball Coupler
Transportation: Towing, side-mount skid pockets, 4-corner pickeye for crane transport
Dry Weight: ~3,000 lbs
Shipping: Common Freight
Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

4-Corner D-Rings for Transportation
Side Access Forklift Skid Pockets
4-Corner Eyelets for Crane Picking and Air Transportation
Stop/Tail/Turn Light, License Plate Lights & Reflective Tape for Highway Use
High Capacity Trailer Rated Tires
Electric Brake Setup w/ Breakaway Device
Included Safety Chains
Removable Tongue for Storage, Transportation & Long Term Deployment
4-Corner Outriggers for Stability & Safety
(6) 300 Watt Solar Panels w/ (2) Rotating Axes
Hydraulic Actuator Provides Fast Vertical Deployment of Solar Array - No Manual Crank Winch
High Temperature Outback Extreme Series Solar Charge Controller
Fused Combiner Box w/ Disconnect Switch
1000 Amp Hour Combined 24V DC Battery Bank
120V or 240V Rapid AC Battery Charger
100` 12/3 SOOW for Battery Charger
8.25` to 30` Air Powered Pneumatic Mast - No Winch Powered Boom Deployment
24V DC Compressor w/ Auto On/Off Pressure Switch
High Output LED Lamps w/ CREE Chip-set
Independently Adjustable LED Light Heads
Independently Powered LED Light Heads - 0%, 25%, 50%, 75%, or 100% Lumen Output
IP67 Waterproof LED Light Heads
Light Heads ETL Listed for Wet Locations
Die Cast Aluminum LED Lamps w/ Shatter Proof Polycarbonate Lenses
Impact/Vibration Resistant LED Construction
Wide Flood Beam Distribution
Instant On Lighting - No Ballast - No Warm-up Periods
Heavy Duty Steel Trailer w/ Industrial Coating
Expanded Metal Trailer Bed for Easy Cleaning & Removing Ice/Snow Buildup

Special Orders - Special Requirements
Contact us for special requirements
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Made in the USA

The Larson Electronics SPLT-1.8K-1000A-30-4X16K-LED-AT-BC Solar Powered LED Light Plant provides operators with a clean energy alternative to generator powered light towers. This solar generator is equipped with four 135 watt LED light fixtures, a 30` pneumatic mast, automated actuators for raising and lowering the solar panels, a 1,000 aH capacity battery bank, and provides continual operation for up to 36.5 hours. The mobile solar LED light tower can be ran continuous, operated via a dust to dawn sensor, or built in timers for increased usage flexibility

in the field.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO MASTS OR TRAILERS

Solar Light Tower: This solar light tower includes six 300 watt solar panels, solar charging system, battery charger, battery bank, LED light array, dust to dawn sensor, timers, battery charging system, and pneumatic mast mounted on trailer with outriggers and removable tongue. This 1.8KW solar generator system replenishes up to 363 amp hours of usable battery capacity per day, assuming 5.5 hours of peak charging sunlight. This system delivers 24 volts for lighting, cameras, sensors or other electronics equipment mounted atop a 30-foot collapsible, pneumatic mast.

Solar Panel Assembly: This unit is comprised of six 300-watt polycrystalline solar panels, generating a total maximum output of 1800 watts. The panels are mounted to a rotating axis assembly. There are two assemblies, one on each side of the solar trailer. The panels can be rotated until they face inwards, which protects the panels during transport. When deployed, the panels are rotated until they face upwards. On most models, we offer a locking pin system, preset with a winter and summer angle position for the panels.

In order to optimize the sun capture, the panels are set to +/- 15 degrees of the latitude of the trailers location on the earth. Houston, Texas, for example, is at latitude of 30 degrees, so the winter setting is 45 degrees and the summer setting would be 15 degrees. While this does not make a huge difference, every little bit helps. The position of the panels are set via locking stabilization arms with key holes, which increases stabilization of the solar array during deployment in with high wind applications.

Once the panels are set the correct solstice position, one section of panel is elevated into position via a hydraulic actuating system. This sets one set of 3 panels above the other section of three panels so they make a consistent plane angle to the sun. The entire panel deployment can be done easily by one person, since the axis system supports the weight of the panels during positioning. The entire process takes just a few minutes.

As part of the deployment, operators will set the four outriggers into position by pulling them out and pinning them into position. Four 2,000 lbs hand crank leveling jacks are used for leveling. The jacks can be leveled by hand crank or attachment provided for power drills. These outriggers can be extended 2` out from the side of the trailer for added stability. This will offset the effects of wind on the panels and the light mast.






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Solar Charging System: In this 24 volt DC system, each panel is terminated with a fused combiner box with a single lever action cut-off switch. With the switch set to the 'on' position, the combiner box passes power to the 80-amp capacity Outback Extreme charge controller.

This solar light tower uses the Outback Extreme maximum power point tracking (MPPT) series charge controller system since it standard temperature threshold is more than 160 degrees Fahrenheit, due to its integrated heat sink and fan assembly. Oddly enough, most charge controllers are not rated past 104° Fahrenheit despite the fact the will always be close to direct sunlight. In the summer time in Texas, our fabrication shop is normally warmer than that, so this solar light tower uses a charge controller that would support the southern heat. This charge controller maximizes the solar power gained from the PV array, and prevents over and under charging of the battery bank. We improve on that capability by shading the charge controller and adding additional air flow from the exhaust of a 1400 CFM component cooling system.

The charge controller charges a 1000-amp capacity battery bank. This 24 volt battery system in comprised of eight 12-volt 250aH 8D deep cycle acid glass mat (AGM) batteries tied together in series. Of course, with most battery technology, the battery bank cannot be drained below 50% without destroying the batteries. With that in mind, this effectively reduces the total capacity of this system to 500 amps at 24 volts. A battery charger provides flexibility during deployment, which allows operators to supply power to the batteries using an external power source. This feature is useful for fast turnaround projects, sustaining extended periods of illumination and remote sites that lack adequate exposure to sunlight.

The panels produce approximately 11 amps per hour per panel to charge this system. On a bright sunny day, the six panels would generate and deliver up to 363 amps back to the batteries in 5.5 hours. This conservative number of 5.5 hours is pretty standard conservative number for the solar industry. Many parts of the world have more and some have less. While this solar trailer can be optimized for the angle of the sun, the panel assemblies do not follow the path of the sun, so we use this conservative number to ensure successful operation. In areas with longer days, additional battery banks can be purchased to increase the capacity of the system. The solar trailer has capacity for 2 additional battery banks or 1 additional battery bank and supplemental generator for areas with shorter days or sporadic sunlight.

Battery Bank System: The battery bank consists of six 12-volt acid glass mat (AGM) batteries that are mounted to a removable tray. These AGM batteries are sealed and require no maintenance. The batteries are spaced apart, strapped to the battery tray and covered with a protective shield. The shield provides security and also shaded protection from the sun. The construction of the battery tray system enables the batteries to ventilate while shading and securing them. Much like a forklift battery bank, the entire battery tray system can be replaced in one operation. The trailer includes room for an additional battery bank system or a supplemental generator, both of which can be purchased separately and installed in the field.

Alternate Charging System: The battery bank is equipped with a line voltage AC rapid battery charging system that allows operators to plug the trailer into 120V or 240V AC to charge the battery bank without removing the batteries. This charging system consists of a multi-stage charging algorithm with safe start, short circuit protection, and overcharge protection. 100` of 12/3 SOOW cable terminated in a 5-20P straight blade or L5-20P twist lock cord cap for 120V systems or 6-20P straight blade or L6-20 twist lock cord cap for 240V systems allows operators to plug this unit into line voltage and charge the battery bank during long periods of cloudy days or when not in use. The lights can be operated while the batteries are charging.

Component Control Center: In order to ensure that the 50% threshold on the batteries is controlled, this solar trailer includes a system of min/max voltage sensors and relays that monitor the voltage produced by the batteries and will automatically shut off power distribution when the battery capacity falls below 50%. This protects the batteries from failure. We also include ground fault protection and an Outback Mate 3 monitoring system to track and log all activities related to the charger controller and battery health, including solar panel array amperage input and battery charger meter. This monitoring system has a visual display within the control box to show current status of the entire system. In the

event there is an issue with the solar trailer, the SD card can be removed from the Mate 3 and sent to Larson Electronics for analysis.
All the electrical components, including the combiner panel, charge controller, over/under battery monitoring and ground fault isolation are encapsulated in a NEMA 3R job box that is bolted to the trailer. The electrical components, including switches, breakers, and cables are are compatible with solar arrays. Since most of these components are not rated for high heat, our component cooling system circulates air within the job box at 1400 CFM when the ambient temperature exceeds 90° Fahrenheit. The component control center also includes a terminal block so that customers can mount additional electronic gear without interfering with the charging systems. The job box that contains the component control system includes locks for security purposes.

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Wire Management: The trailer itself houses a built in wire raceway that brings power from the component control center and batteries to the light mast. At the base of the light mast there is an access panel for making connections from the power source to the cabling within the pneumatic mast.
Pneumatic Light Mast: The aluminum pneumatic mast reaches 30` in height above the deck of the trailer via the use of a low voltage air compressor located within the job box. The compressor is equipped with a pressure switch that maintains the pressure within the mast. Once the mast is deployed from the component control center, its operation is automated. The air compressor will turn on briefly when the pressure in the mast falls below the fully inflated threshold. In normal operation, the air compressor may turn on once every few days for about 5 minutes to top off the mast. When it is time to take the mast down for transport, the operator simply release the pressure switch and the mast will slowly release pressure and lower to its full collapsed height of 8.25` above deck.
At the top of the mast, we include a mounting bracket that is 44" wide and 2" by 2" by 1/4" thick, which provides a strong and stable platform for standard payloads up to 150 lbs. of electronics, including lights, camera or sensors. These mounting brackets can be built to customer specifications to include the holes necessary to mount their gear. Included with this unit is high output LED light fixtures. The mast can be rotated a full 360°. By loosening the T-Handle, operators can rotate the mast with easy in either direction. The mast can be positioned in one of four different keyhole lock-ways to ensure the mast does not move during higher winds, and locked back in place by re-tightening the T-handle. This ensures the mast does not move once position is set. Alternatively, the mast can be locked into place by tightening the T-handle down in between the keyholes, however, higher wind speeds may offset the mast head slightly after position without guy wires. The mast itself spins freely with easy once the T-handle has been loosened, and can typically be rotated with a single hand.
Trailer: The trailer itself is built on a 5,400 lb rated axle and is approximately 16` long and 6` wide. The trailer is equipped with a removable tongue for storage, transport and security purposes. The tongue features an adjustable hitch, allowing

operators to raise or lower the height of the hitch for towing purposes. Hitch options include 2" ball coupler and 3" pintle hitch. Safety chains come standard. For an additional charge, we offer removable wheels in addition to the removable tongue for extra security. The four built in outriggers can be slid out from the frame and pinned into place. A standard crank style support leg can be used to secure each outrigger to the ground. The outrigger feet are over-sized and equipped with through holes for additional ground anchoring mechanisms. D-rings allow the trailer frame to be anchored down for long term deployment and high wind applications. The trailer has an industrial grade finish for rust and corrosion resistance.

The trailer is equipped with an electric brake setup and electronic safety breakaway device. All safety lighting on the trailer meet or exceed DOT and FMVSS regulations. This unit is equipped with stop, tail, turn signals, and license plate lights. Wiring is provided by an industrial grade trailer 7-pin flat trailer plug (other options available upon request). Reflective tape along the sides of the trailer provides increased night time visibility. This trailer is approved for highway use, and will clear standard height interstate bridges.

Lighting: The lighting system on this unit is comprised of four 135 watt high output LED flood lights producing 16,000 lumens each attached to the end of the telescoping light boom. These floodlights produce a wide flood light pattern capable of illuminating a minimum of 3 acres with a combined total of 64,000 lumens of light. The light assembly consists of twelve Cree XPH series LEDs paired with high purity optics to produce a wide light distribution. These LED flood lights are IP67 rated and designed to withstand demanding conditions and is waterproof, vapor proof, and built to resist the damaging effects of an outdoor environment. Each floodlight is securely fastened to the light boom and each lamp includes a support bracket to help maintain lamp stability within its housing. The lamps are connected to the power source via a water tight male pin connector that attaches to a receptacle located on the end of the telescoping boom. The mast head assembly can be removed from the pneumatic mast for storage and transportation purposes. A mounting bracket located on the bed of the trailer provides safe and secure storage of the LED lights and mast head during transportation.

Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

Lamp Control: Each lamp can be powered on individually, allowing operators to power one lamp or all four lamps at a single time to fit the required illumination requirements. An equipped dusk-to-dawn day/night sensor allows for automated operation of the light configuration set within the control center. Operators may also set a time/duration for light activation using the built-in auto timer feature. The LED light heads are wired independently of each other. Each light head is wired into the NEMA 3R control box. Operators control the light heads via an on/off switches, allowing 0%, 25%, 50%, 75%, and 100% intensity levels. Additional operation includes the ability to set the lights to power on automatically via a built in dusk-to-dawn sensor or built in timer system, both equipped on this solar security tower. The dusk-to-dawn sensor automatically powers the lights on when ambient light levels drop below a specific level, which can be adjusted by the operator. The automatic timer allows operators to set a specific time for the lights to power on and power off. This allows the light fixtures to be enabled automatically, manually, or in timed intervals and the intensity can be adjusted from 100% down to 25% lumen output to increase runtime.

Solar Tower Runtime

Operation	Lumen Output	Hours*
25% Light Output	16,000	36.5 hrs
50% Light Output	32,000	18.25 hrs
75% Light Output	48,000	12.15 hrs
100% Light Output	64,000	9.125 hrs

*Hour runtime based on maintaining 50% battery capacity.

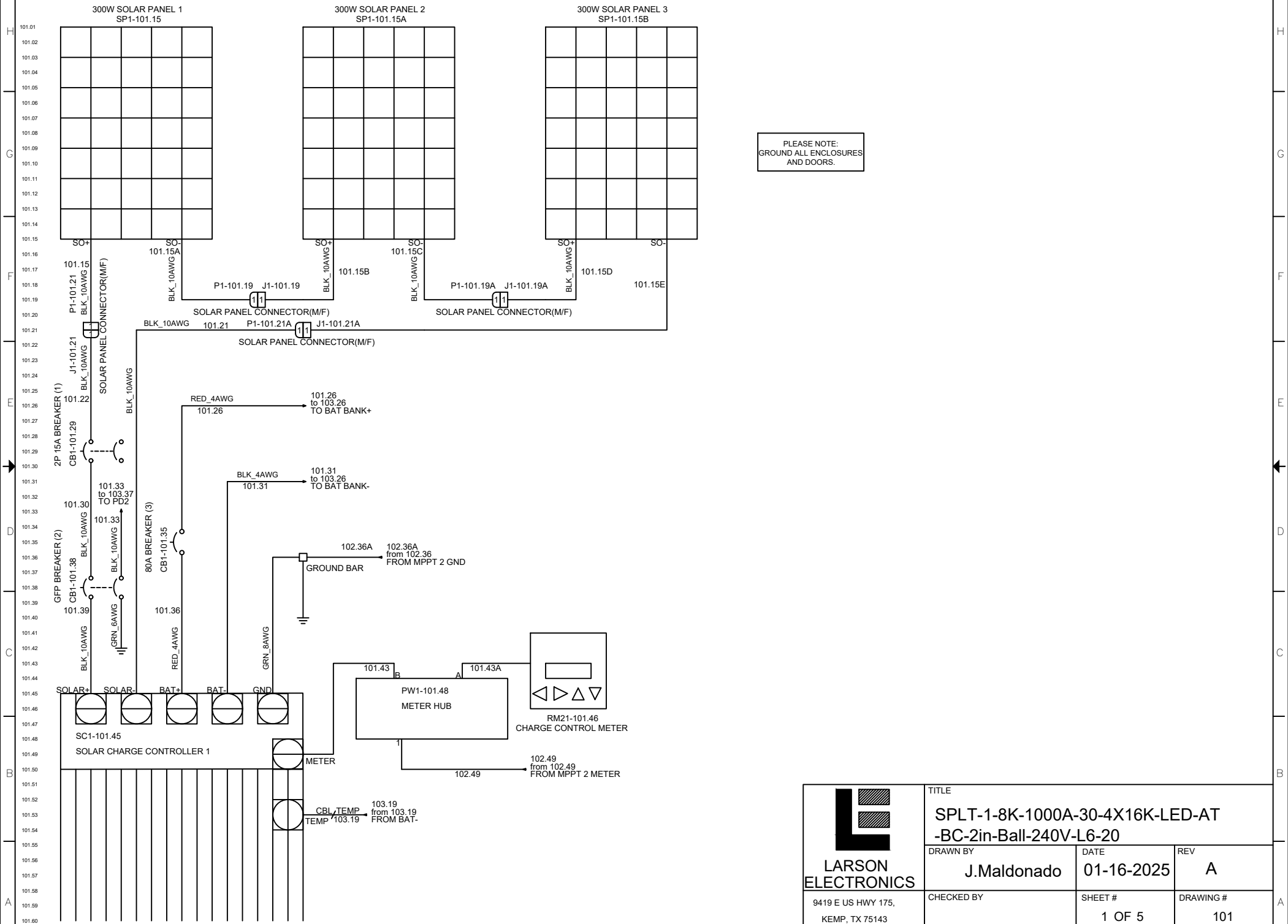
This solar powered light tower generator is shipped via common freight. Each unit is equipped with side mounted skid pockets for loading with fork lifts, and 4-corner mounted eyelets allow for crane picking and air transportation methods. The 4-corner eyelets also allow operators to secure this trailer in transportation, ensuring the unit does not move during transit.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

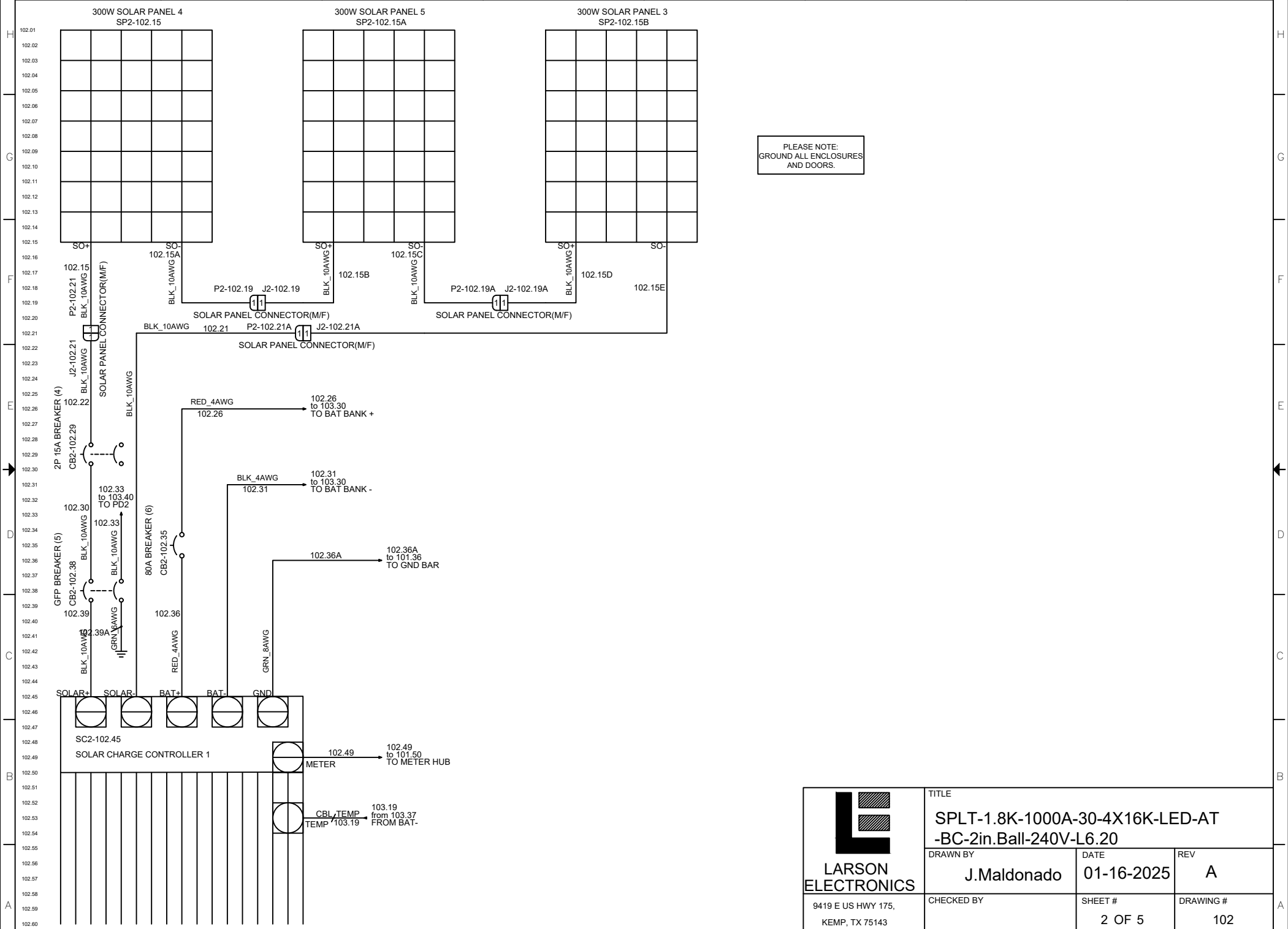
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A	PRODUCTION RELEASE	01-16-2025

SPLT-1.8K-1000A-30-4X16K-LED-AT-BC-2in.Ball-240V-L6.20

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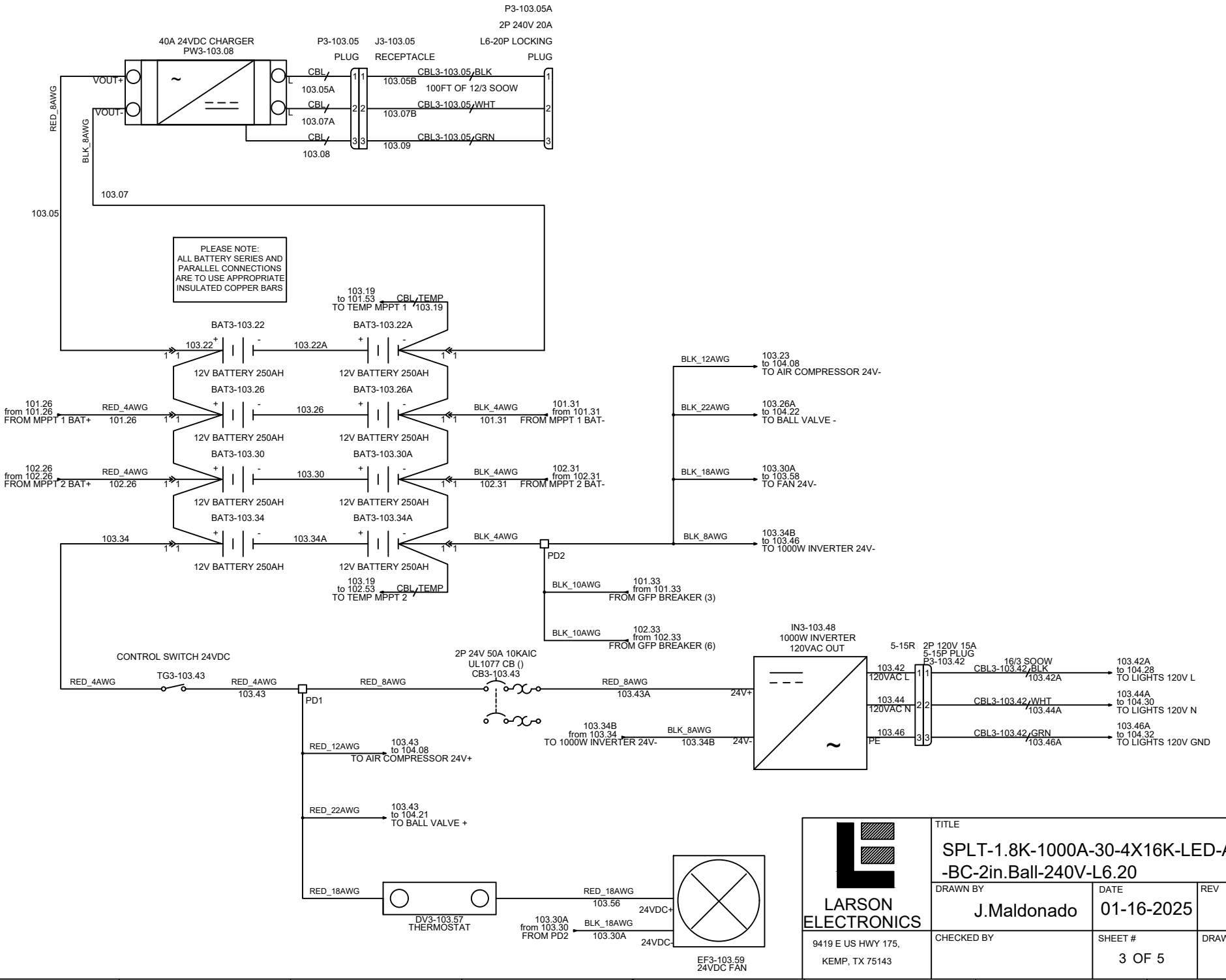
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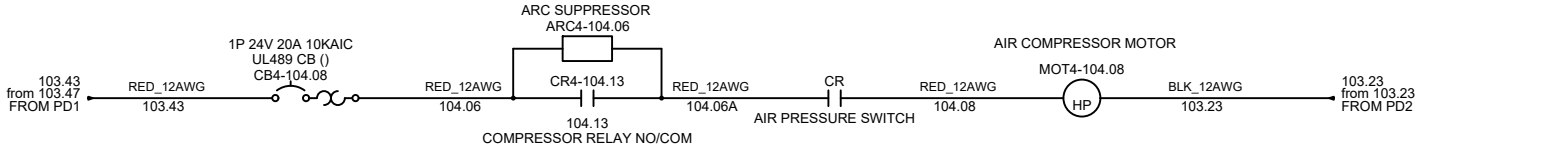
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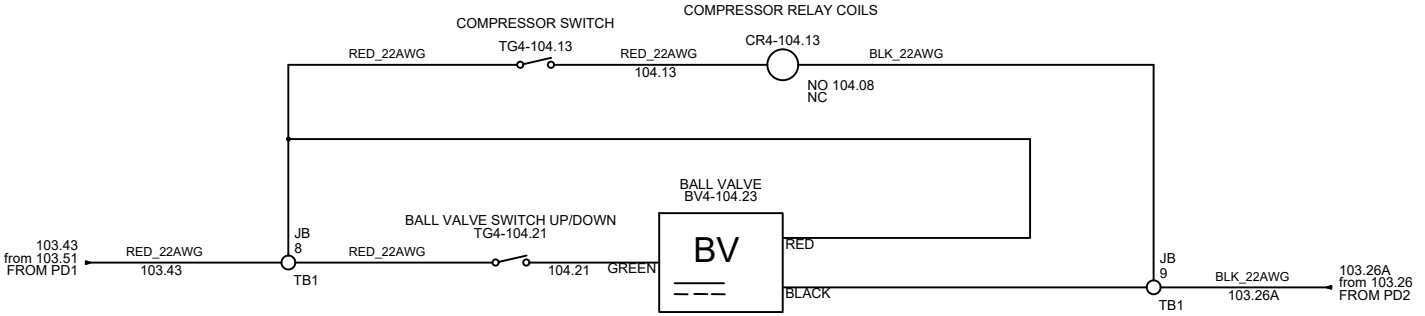


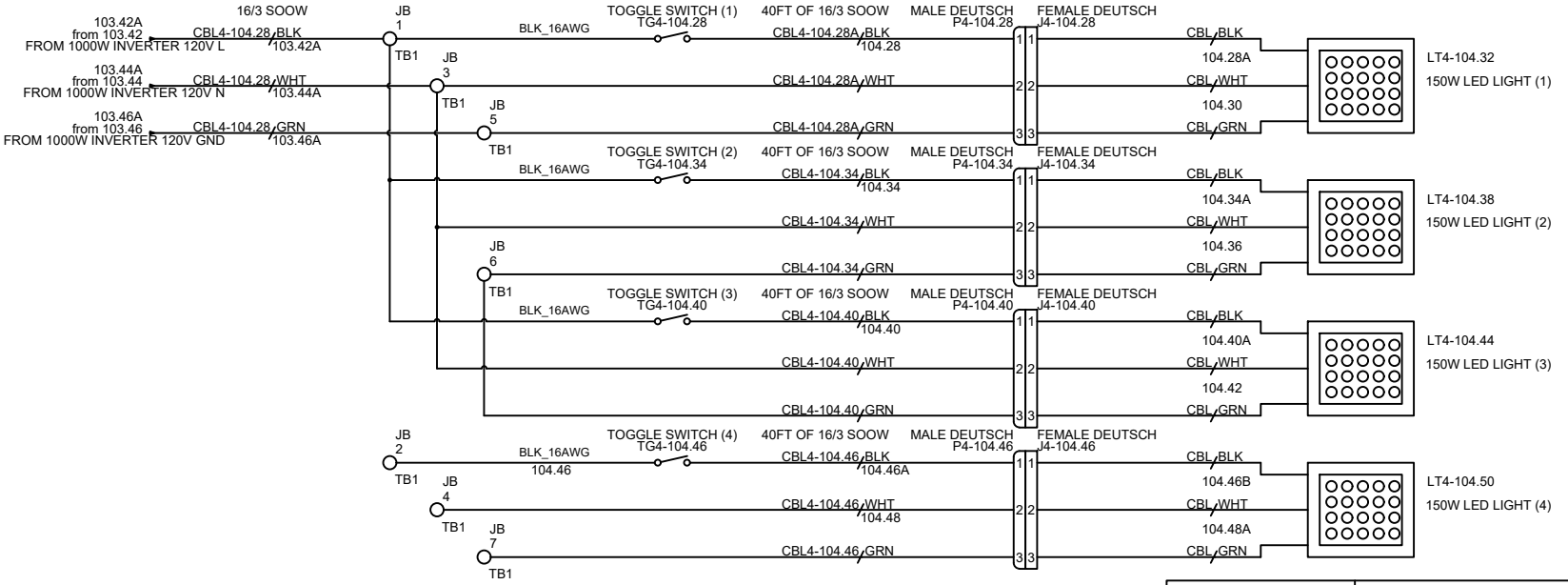
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TAGS	QTY	CATALOG	DESCRIPTION
BAT3-103.22 BAT3-103.22A BAT3-103.26 BAT3-103.26A BAT3-103.30 BAT3-103.30A BAT3-103.34 BAT3-103.34A	8	UNV00009854	250AH 12V SLA BATTERY
J4-104.28 J4-104.34 J4-104.40 J4-104.46	4	UNV00005477	DT 3WAY RECEPTACLE
P4-104.28 P4-104.34 P4-104.40 P4-104.46	4	UNV00005481	DT 3WAY PLUG
J1-101.21A J2-102.21A P1-101.19 P1-101.19A P1-101.21 P2-102.19 P2-102.19A P2-102.21	8	UNV00001349	SOLAR PANEL CONNECTOR -MALE
P3-103.05A	1	UNV00011428	250V 20A L6-20P LOCKING PLUG
P3-103.42	1	UNV00006731	PLUG , STRAIGHT BLADE 15A, 125V NEMA 5-15
J1-101.19 J1-101.19A J1-101.21 J2-102.19 J2-102.19A J2-102.21 P1-101.21A P2-102.21A	8	UNV00001350	SOLAR PANEL CONNECTOR- FEMALE
CB1-101.35 CB2-102.35	2	UNV00018054	Circuit Breaker 80A 48VDC IP67
CB1-101.29 CB2-102.29	2	UNV00021365	2P 240V 15A UL489 10KAIC DIN RAIL MOUNTED CIRCUIT BREAKER
CB3-103.43	1	UNV00015154	2P 240V 50A 10KAIC UL1077 DIN RAIL MOUNT BREAKER
CB4-104.08	1	UNV00017491	1P 120V/240V 20A 10KAIC UL489 DIN RAIL MOUNT CIRCUIT BREAKER
CB1-101.38 CB2-102.38	2	UNV00021370	63 Amp 150VDC 10KAIC Din Rail Mount DC Ground Fault Protector
CR4-104.13	1	UNV00021369	POWER RELAY, TYPE RPF, COIL 24VDC, 2 FORM C , SWITCH CAPACITY MIN. 100mA, MAX. 7200VA
EF3-103.59	1	UNV00011964	12" 24V Reversible Electric Fan
RM21-101.46	1	UNV00001332	DIGITAL CHARGE CONTROL METER
ARC4-104.06	1	UNV00015898	ARC SUPPRESION RC EMI FILTER - 250VAC/DC 47OHM / 0.1uF
SP1-101.15 SP1-101.15A SP1-101.15B SP2-102.15 SP2-102.15A SP2-102.15B	6	UNV00005453	300W Solar Panel
SC1-101.45 SC2-102.45	2	UNV00006003	SOLAR CHARGE CONTROLLER 60 AMP UP TO 150 VDC INPUT, 12-48 VOLTS. 12V-800 WATTS
DV3-103.57	1	UNV00009886	10A 120V VENTAMATIC REPLACEMENT THERMOSTAT
IN3-103.48	1	RBP100024VCRT	Pure Sine Wave Inverter 1000Watt 24V DC to 120V AC Power Converter
LT4-104.32 LT4-104.38 LT4-104.44 LT4-104.50	4	UNV00008018	150W STADIUM LIGHT 120-277V 5K
MOT4-104.08	1	UNV00009888	24V DC 13A 450C ELECTRIC AIR COMPRESSOR
PW1-101.48	1		METER HUB FOR MORNING STAR TriStar MPPT
PW3-103.08	1		40A 24V (110~220Vac) Power Supply Converter
TG4-104.13 TG4-104.21	2	UNV00013983	Selector switch, 22mm, 2-position, maintained, (1) N.O. contact(s), metal base, metal bezel, Operator: black, knob, 30mm, round, plastic.
TG4-104.28 TG4-104.34 TG4-104.40 TG4-104.46	4	UNV00014856	TOGGLE SWITCH 10A
TG3-103.43	1	UNV00014267	300A CONTROL/DISCONNECT SWITCH
PD1 PD2	2	UNV00015084	POWER DISTRIBUTION BLOCK 175A 600V 1-4 OPENING
TB1	3	UNV00013974	FEED THROUGH 4 TERMINAL BLOCK-GREY-SCREWLESS
TB1	3	UNV00013975	FEED THROUGH 4 TERMINAL BLOCK-BLUE-SCREWLESS
TB1	3	UNV00013989	FEED THROUGH 2 POINT TERMINAL BLOCK-GREEN SCREWLESS
GROUND BAR	1	UNV00013942C	GROUND BAR KIT 14 AWG TO 4 AWG
BV4-104.23	1	UNV00014871	1/2" Brass 3 Way Electric Ball Valve -
CBL3-103.05	1	UNV00002908	12/3 SOOW CABLE
CBL3-103.42 CBL4-104.28 CBL4-104.28A CBL4-104.34 CBL4-104.40 CBL4-104.46	6	UNV00007524	16/3 SOOW CABLE

TB1 (JOB BOX)

Device1	Wire1	Type1	Number	Manufacturer	Catalog	Type2	Wire2	Device2	Jumper
P3-103.42	103.42A	BLK_16AWG	1	PHEONIX CONTACT	UNV00013974	BLK_16AWG	103.42A	TG4-104.28	
TG4-104.34	103.42A	BLK_16AWG							
TG4-104.46	104.46	BLK_16AWG	2	PHEONIX CONTACT	UNV00013974				
P3-103.42	103.44A	WHT_16AWG	3	PHEONIX CONTACT	UNV00013975	WHT_16AWG	103.44A	P4-104.28	
P4-104.34	103.44A	WHT_16AWG							
P4-104.46	104.48	WHT_16AWG	4	PHEONIX CONTACT	UNV00013975				
P3-103.42	103.46A	GRN_16AWG	5	PHEONIX CONTACT	UNV00013989	GRN_16AWG	103.46A	P4-104.28	
P4-104.34		GRN_16AWG	6	PHEONIX CONTACT	UNV00013989	GRN_16AWG		P4-104.40	
P4-104.46		GRN_16AWG	7	PHEONIX CONTACT	UNV00013989				
CB4-104.08	103.43	RED_12AWG	8	PHEONIX CONTACT	UNV00013974	RED_22AWG	103.43	DV3-103.57	
BV4-104.23	103.43	RED_22AWG				RED_22AWG	103.43	TG4-104.21	
MOT4-104.08	103.34B	BLK_12AWG	9	PHEONIX CONTACT	UNV00013975	BLK_22AWG	103.26A	BV4-104.23	
PD2	103.34B	BLK_22AWG				BLK_22AWG	103.26A	CR4-104.13	

LARSON ELECTRONICS

9419 E US HWY 175,
KEMP, TX 75143

TITLE: SPLT-1.8K-1000A-30-4X16K-LED-AT -BC-2in.Ball-240V-L6.20

DRAWN BY	DATE	REV
J.Maldonado	01-16-2025	A
CHECKED BY	SHEET #	DRAWING #
	5 OF 5	105



Frequently Asked Questions (FAQ)