BRIGHTWAY LED Lighting

SolarBright™

SOLAR POWERED LED LIGHT TOWERS

LED STADIUM LIGHTS

300W LED Flood Lights

Rotating Bracket

The LED lights come with a versatile rotating mounting bracket that offers exceptional flexibility during installation. These lights can be easily tilted and rotated to different orientations, allowing for customized lighting configurations that ensure desired lighting uniformity and coverage

Top Quality LED Light Source

The SMD LED package delivers exceptional energy efficiency with up to 150 lumens per watt. Also, it maintains stable color temperature and offers high color rendering index (CRI) of 80 or higher.

Mean Well Power Supply

Mean Well is the industry standard producer of LED drivers, known for their exceptional longevity and ability to provide a stable operating environment for LED lights.

Finned Heat Sink

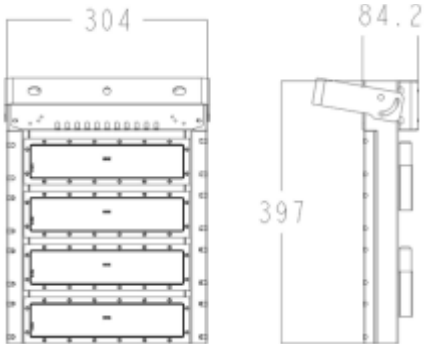
The finned heat sink design improves the heat dissipation of the LED flood lights by providing a larger surface area to dissipate heat away from the lights. The fins on the heat sink increase the surface area in contact with surrounding air, allowing for greater heat transfer. The gap between the fins also allows for better airflow, which facilitates heat dissipation. This design allows the lights to operate at a lower temperature, which in turn improves the lifespan and stability of the lights and allows the LEDs to run at high power without risk of overheating.

Anti-Glare LED Lens

The LED flood lights for commercial and industrial use are equipped with an anti-glare lens that effectively reduces glare by a minimum of 75%. This reduction in glare is highly beneficial as it improves safety, comfort and overall satisfaction for workers and occupants within these settings.

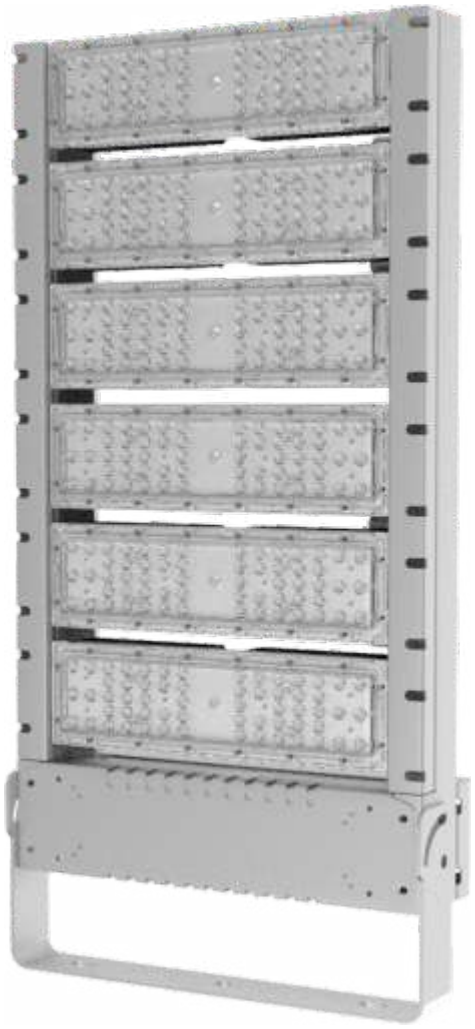
Model: LS-ARE-300-LW

Lumens:	45,000lm
Total weight:	7kg
LED:	3030 SMD LED (2022 low thermal tech)
CCT:	2700K to 7500K (regular), 1500 K to 10000K (customized)
CRI:	75 (regular), 80 / 90 / 95 / 98 (customized)
Beam angle:	11° / 24° / 36° / 60° / 90°
Input voltage:	90-295VAC, 50-60Hz (MEAN WELL HLG OR MOSO) 110VAC / 220V / 240VAC (MEAN WELL ELG OR MOSO)
Driver:	MEAN WELL HLG or ELG, MOSO (IP67)
Power factor:	>95%
Life span:	100,000 hours
Warranty:	5 years



LED STADIUM LIGHTS

500W LED Flood Lights



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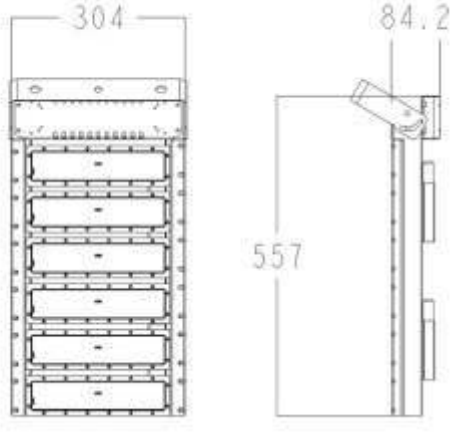
Anti-Glare LED Lens

The LED flood lights for commercial and industrial use are equipped with an anti-glare lens that effectively reduces glare by a minimum of 75%. This reduction in glare is highly beneficial as it improves safety, comfort and overall satisfaction for workers and occupants within these settings.

Model: LS-ARE-500-LW

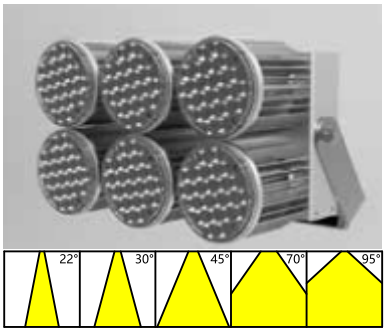
Lumens:	75,000lm
Total weight:	7kg
LED:	3030 SMD LED (2022 low thermal tech)
CCT:	2700K to 7500K (regular), 1500 K to 10000K (customized)
CRI:	75 (regular), 80 / 90 / 95 / 98 (customized)
Beam angle:	11° / 24° / 36° / 60° / 90°
Input voltage:	90-295VAC, 50-60Hz (MEAN WELL HLG OR MOSO) 110VAC / 220V / 240VAC (MEAN WELL ELG OR MOSO)
Driver:	MEAN WELL HLG or ELG, MOSO (IP67)
Power factor:	>95%
Life span:	100,000 hours
Warranty:	5 years



LED PROFESSIONAL GRADE STADIUM LIGHTS

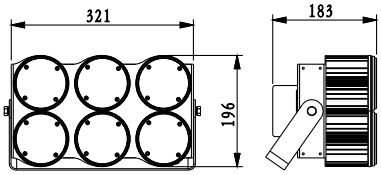
LS-ARE-170

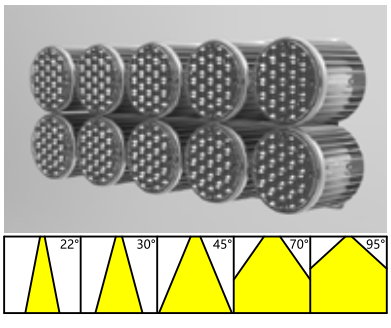
Designed for arenas and stadiums, stable color temperature and high quality, the ARE-170 series generates color rendered index (CRI) of up to 95; non-flickering lighting; good uniformity of illumination; low glare. Very good for video and television relay. High photo synthetic efficiency, environmental protection and energy saving, waterproof design suitable for outdoor applications.



Model NO: LS-ARE-300-170 Power: 300W
CCT: 2700K-3500K/5000K-6500K/6500K-7500K
CRI: 75(defaults) ,Customizable up to95
Beam angle: 22°/30°/45°/70°/95°
Input voltage: 90-295V AC 50-60HZ
Efficiency: ≥90% PF: ≥95%
Chip lighting Effect: 170lm/W
FLUX: 51000lm
Body size(mm):321*196*183 Weight(kg): 7.1
EPA=0.065

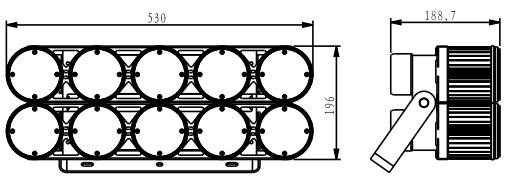
Dimensioning





Model NO: LS-ARE-500-170 Power: 500W
CCT: 2700K-3500K/5000K-6500K/6500K-7500K
CRI: 75(defaults) ,Customizable up to95
Beam angle: 22°/30°/45°/70°/95°
Input voltage: 90-295V AC 50-60HZ
Efficiency: ≥90% PF: ≥95%
Chip lighting Effect: 170lm/W
FLUX: 85000lm
Body size(mm):530*196*189 Weight(kg): 10.2
EPA=0.103

Dimensioning



SOLAR PANELS - 420W

Great Performance and Reliability

- The multi-busbar half-cut technology
- Certified in TUV for salt spray & ammonia corrosion
- 2400Pa wind load and 5400Pa snow load testing
- Effectively reducing BOS costs to achieve lower LCOE
- First-year degradation is less than 2%
- Low hot-spot & micro crack risk

Performance Warranty

12 YEARS
Enhanced product warranty on materials and workmanship

25 YEARS
Linear power performance warranty

Management System Characteristics

- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 450001: 2018 Occupational Health and Safety Management Systems

Product Certificates

- IEC 61215 / IEC 61730 / UL 61730

.

Black Mono-Facial Perc 420W
Efficiency up to 21.48%

Dimensions: 1724*1134*35mm
Weight: 22.0kg
Max. System Voltage: 1000V/1500V (IED/UL)

Electrical Data (STC)

Maximum Power (Pmax/W)	420
Operating Voltage (Vmp/V)	37.56
Short Circuit Current (Isc/A)	13.98
Voltage at Maximum Power (Vmp/V)	31.60
Current at Maximum Power (Imp/A)	13.30
Module Efficiency ηm(%)	21.48

Electrical Data (NMOT)

Maximum Power (Pmax/W)	316
Operating Voltage (Vmpp/V)	34.57
Short Circuit Current (Isc/A)	11.43
Voltage at Maximum Power (Vmp/V)	28.79
Current at Maximum Power (Imp/A)	10.98

Mechanical Data

Cell Type	182×91mm Mono
Cell Orientation	108 (6×18)
Module Dimensions	1724×1134×35mm
Weight	22.0kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film(Black)
Frame Material	Anodized aluminum alloy (Black)
Junction Box	Protection class IP68
Cable	4.0 mm^2 positive pole: 200 mm negative pole: 250 mm wire length
Connector	MC4 compatible connector

STC (Standard Testing Conditions): Irradiance 1000W/m^2, Cell Temperature25℃, AM1.5 Operating Temperature: -40°C~+85°C

NMOT (Nominal Module Operating Temperature): Irradiance 800W/m^2, Ambient Temperature 20℃, AM1.5,Wind Speed 1m/s.

SOLAR PANELS - 420W

Electrical Data (STC)

Maximum Power (Pmax/W)	400	405	410	415	420
Operating Voltage (Vmp/V)	36.96	37.11	37.26	37.41	37.56
Short Circuit Current (Isc/A)	13.60	13.70	13.79	13.89	13.98
Voltage at Maximum Power (Vmp/V)	31.00	31.15	31.30	31.45	31.60
Current at Maximum Power (Imp/A)	12.91	13.01	13.10	13.20	13.30
Module Efficiency ηm(%)	20.46	20.72	20.97	21.23	21.48

STC (Standard Testing Conditions): Irradiance 1000W/m^2, Cell Temperature 25℃, AM1.5 Operating Temperature:-40°C~+85°C

Electrical Data (NMOT)

Maximum Power (Pmax/W)	300	304	308	312	316
Operating Voltage (Vmpp/V)	33.97	34.12	34.27	34.42	34.57
Short Circuit Current (Isc/A)	11.10	11.18	11.27	11.35	11.43
Voltage at Maximum Power (Vmp/V)	28.19	28.34	28.49	28.64	28.79
Current at Maximum Power (Imp/A)	10.65	10.73	10.82	10.90	10.98

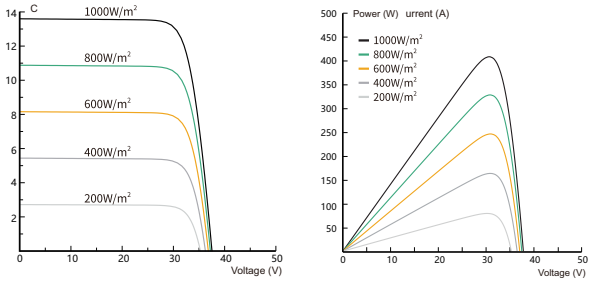
NMOT (Nominal Moudule Operating Temperature): Irradiance 800W/m , Ambient Temperature 20 C, AM1.5, Wind Speed 1m/s.

Mechanical Data

Cell Type	182×91mm Mono
Cell Orientation	108(6×18)
Module Dimensions	1724×1134×35mm
Weight	22.0kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film(Black)
Frame Material	Anodized aluminum alloy(Black)
Junction Box	Protection class IP68
Cable	4.0 mm^2 positive pole: 200 mm negative pole: 250 mm wire length can be customized
Connector	MC4 compatible connector

I-V CURVE

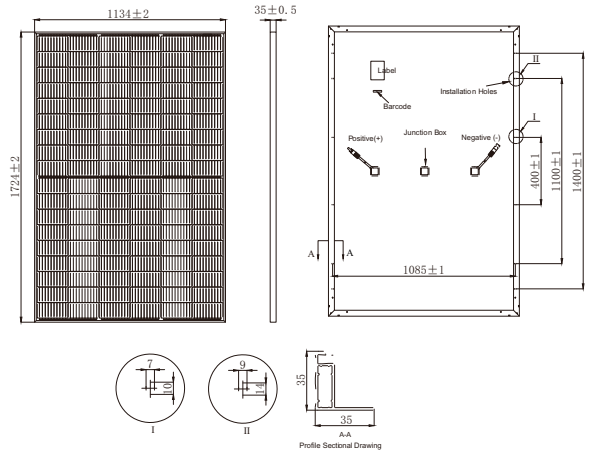
Current-Voltage Curve(420W)



TECHNICAL DRAWINGS

Temperature Coefficient (Pm)	-0.340%/℃
Temperature Coefficient (Voc)	-0.270%/℃
Temperature Coefficient (Isc)	0.048%/℃
NMOT (Nominal Moudule Operating Temperature)	41±3℃

Module Dimensions (mm)



Packaging

Transportation methods	40HQ container
Number of modules per cabinet	806pcs
Number of modules per pallet	31pcs+31pcs

BIFACIAL SOLAR PANELS - 550W

BSM550M10-72HBD

Bifacial Dual Glass 530W-550W

LEADING 5%-25% MORE YIELD

EFFICIENCY UP TO 21.2%

- Dimensions:2285*1134*35mm
- Weight:32.2kg
- Max. System Voltage: 1500 V/DC(IEC)

PERFORMANCE WARRANTY

12 Years — Enhanced Product Warranty on Materials and Workmanship

30 Years — Linear Power Performance Warranty According to the applicable Bluesun Solar Limited Warranty Statement.

GREAT PERFORMANCE AND RELIABILITY

- Bi-facial Perc Half Cut Technology
- Better Energy Yield
- Power Degradation -0.45%/30 Years Linear Warranty
- TUV SUD Anti PID Certificated
- IP68 Junction Box/High Water Proof Level
- Reduced Hot Spot Risk

MANAGEMENT SYSTEM CERTIFICATES

- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems

PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / IEC 61701 / IEC TS 62804
- UL 1703 / UL61730

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BIFACIAL SOLAR PANELS - 550W

ELECTRICAL PARAMETERS

Performance at STC (Power Tolerance 0 ~ +3%)

Maximum Power (Pmax/W)	530	535	540	545	550
Operating Voltage (Vmpp/V)	41.32	41.48	41.64	41.80	41.96
Operating Current (Impp/A)	12.83	12.90	12.97	13.04	13.11
Open-Circuit Voltage (Voc/V)	49.32	49.46	49.60	49.76	49.92
Short-Circuit Current (Isc/A)	13.72	13.79	13.86	13.93	14.00
Module Efficiency ηm(%)	20.5	20.6	20.8	21.0	21.2

Performance at NMOT

Maximum Power (Pmax/W)	395	398	402	406	410
Operating Voltage (Vmpp/V)	38.6	38.7	38.8	39.0	39.1
Operating Current (Impp/A)	10.24	10.30	10.36	10.41	10.47
Open-Circuit Voltage (Voc/V)	46.4	46.5	46.7	46.8	47.0
Short-Circuit Current (Isc/A)	11.06	11.12	11.17	11.23	11.28

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², Ambient Temperatue 20°C, Air Mass AM1.5, Wind Speed 1m/s

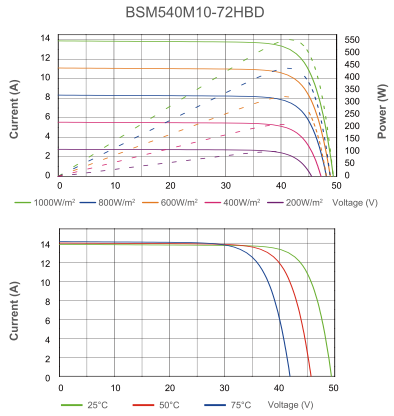
Electrical characteristics with different rear side power gain (refer to 530W front)

Pmax gain	Pmax/W	Vmpp/V	Impp/A	Voc/V	Isc/A
5%	557	41.32	13.47	49.32	14.41
10%	583	41.32	14.11	49.32	15.09
15%	610	41.32	14.75	49.32	15.78
20%	636	41.32	15.40	49.32	16.46
25%	663	41.32	16.04	49.32	17.15

MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	182*182mm
Cell Arrangement	144 (6*24)
Weight	32.2kg
Module Dimensions	2285*1134*35mm
Cable Length	Portrait 300mm/Landscape 1200mm/Customized
Cable Cross Section Size	TUV: 4mm² (0.006inches²)/UL: 12AWG
Front Glass	2.0mm (0.08 inches) AR Coating Semi-tempered Glass
Back Glass	2.0mm (0.08 inches) Glazed Semi-tempered Glass
No. of Bypass Diodes	3
Packing Configuration (1)	31pcs/carton, 620pcs/40hq
Packing Configuration (for USA)	31pcs/carton, 558pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

I-V CURVE



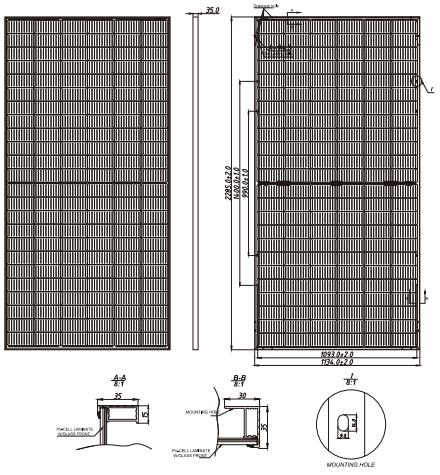
OPERATING CONDITIONS

Maximun System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximun Series Fuse	30A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	T01/LJQ-3-CSY/MC4/MC4-EVO2
Backside Output Ratio* *Under STC: Backside Output Ratio = $P_{max(rear)}$ /$P_{max(front)}$	70%±5%

TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.35%/°C
Temperature Coefficient Voc	-0.26%/°C
Temperature Coefficient Isc	+0.048%/°C
NMOT	43±2°C

TECHNICAL DRAWINGS



IMPACT RESISTANT SOLAR PANELS - 620W

- High conversion efficiency
- Extreme environmental testing
- Salt mist corrosion resistant
- IP68 Junction box
- Strong compressive strength
- Fire test approved
- PID Resistant

- 3% positive tolerance
- Series of internal harsh tests
- Authorised photovoltaic certificates
- Linear performance warranty

Electrical Characteristics under STC*

Model No.:	TS-S600M-H39	TS-S610M-H39	TS-S620M-H39	TS-S630M-H39
Maximum Power-Pmax(Wp)	600	610	620	630
Voltage at Maximum Power-Vmp(V)	45.39	45.59	45.79	45.99
Current at Maximum Power-Imp(A)	13.22	13.38	13.54	13.7
Open Circuit Voltage-Voc(V)	54.95	55.25	55.55	55.85
Short Circuit Current-Isc(A)	13.97	14.11	14.25	14.39
Solar Panel Efficiency(%)	21.46	21.82	22.18	22.54
Power Tolerance(%)	0/+3	0/+3	0/+3	0/+3

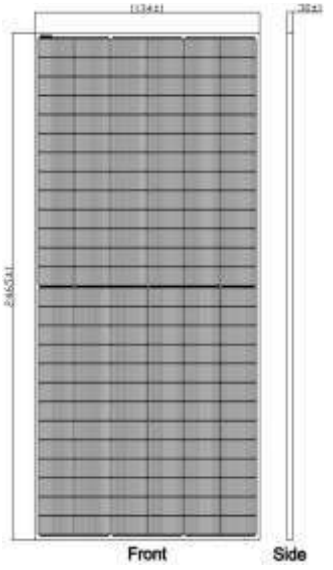
IMPACT RESISTANT SOLAR PANELS - 620W

Electrical Characteristics under NOCT*

Maximum Power-Pmax(Wp)	451	459	465	471
Voltage at Maximum Power-Vmp(V)	42.05	42.28	42.5	42.72
Current at Maximum Power-Imp(A)	10.73	10.85	10.97	11.09
Open Circuit Voltage-Voc(V)	52.2	52.48	52.76	53.04
Short Circuit Current-Isc(A)	11.28	11.39	11.51	11.63

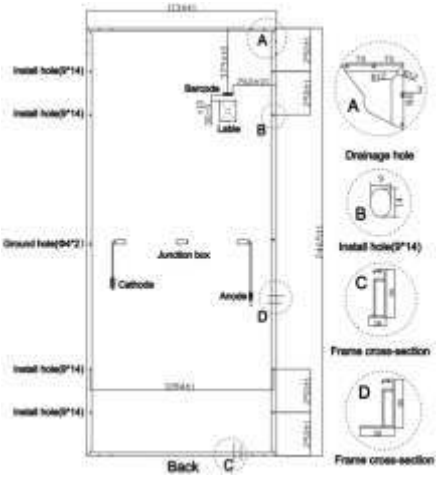
Mechanical Characteristics

Cell Type	N Type Mono 182*91mm
Number of Cells	156 (12*13)
Dimension	2465*1134*30mm
Weight	30.70kg
Front Glass	3.2mm,Low Iron Tempered Glass
Encapsulant	EVA
Frame	Anodized Aluminum Alloy
Junction box	IP68,3 diodes
Output cables	4mm²,35cm,MC4
MaxWind Load/Snow	2400Pa/5400Pa



Temperature Characteristics

NOCT*	45±2°C
Temperature Coefficient of Pmax(%)	–0.300/°C
Temperature Coefficient of Voc(%)	–0.250/°C
Temperature Coefficient of Isc(%)	0.046/°C



Maximum System Ratings

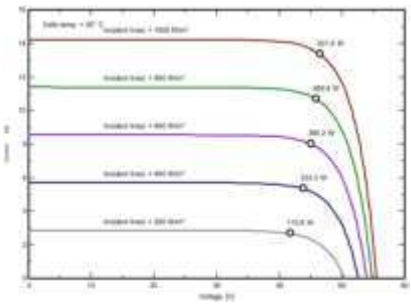
Operating Temperature	–40℃ to +85℃
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25A

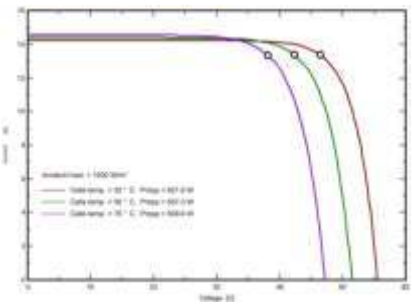
Warranty

12 years product warranty

12 years warranty on 90% power output

25 years warranty on 80% power output





JUNCTION BOX

High waterproof rating
Protection Degree: IP67
Safety Class: Class II
Rated Voltage: 1500V

FRAME

Strong mechanical load resistance up to 5400 Pa
Anodic oxidation layer resistant to chemical corrosion
Available in silver and black

*STC(Standard Testing Conditions):Irradiance 1000W/㎡,cell temperature 25℃,AM=1.5 *NOCT(Nominal Operating Cell Temperature):Irradiance 800W/㎡, ambient temperature 20℃,wind speed 1m/s

The specifications in this datasheet are subjected to change without prior notice

INVERTER

Single Phase Hybrid Inverter

HIR5~10KLNA Series

Elegant

- Elegant appearance & light weight
- Low noise
- Touch LCD screen

Safe and Reliable

- Supports full power charge and discharge, automatic battery management
- Supports 100% unbalanced load capacity
- Max. efficiency reaches up to 98.2%
- Battery reverse connect protection
- Anti-power control function
- IP65 waterproof

Flexible

- Supports up to 8 units in parallel connection
- Supports multi-machine parallel battery sharing
- Compatible with lead-acid and lithium-ion batteries

BATTERY

Tier 1 Long Lifespan LifeP04 Battery

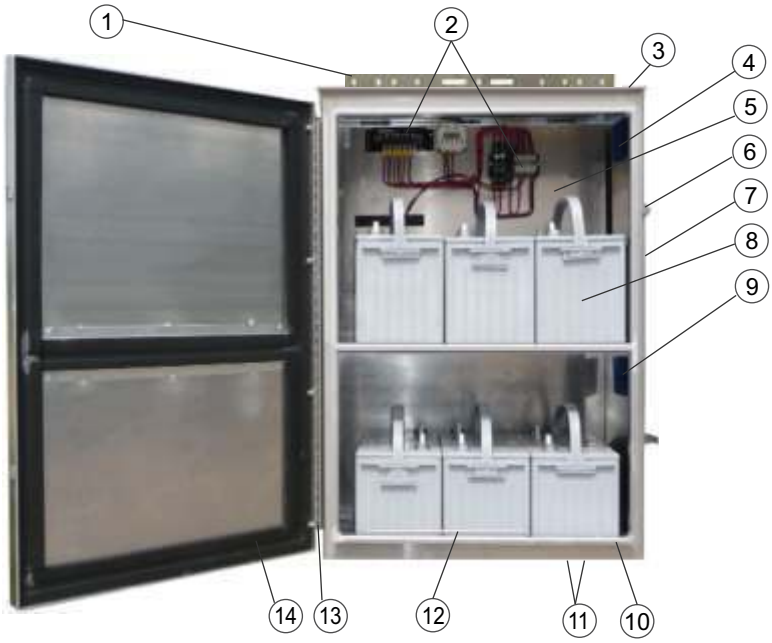
25.6V 100H & 200AH Battery

- Smart BMS to protect battery
- Supports multiple connections
- Plug & play
- IP65
- LCD display screen, bluetooth and GPS tracking available

INVERTER SPECIFICATIONS

Model Number	HIR5KLNA	HIR6KLNA	HIR8KLNA	HIR10KLNA
Input (PV)				
Max. power(kW)	7.5	9	12	13
Max. DC voltage(V)	550			
MPPT voltage range(V)	120~500			
Max.input current of single MPPT(A)	12			
MPPT tracker/strings	4/1			
AC Output				
Rated output power(kVA)	5	6	8	10
Max. output current(A)	24	28.8	38.3	47.8
Grid voltage/range(V)	120/240(split phase),208(2/3 phase),230(single phase)			
Frequency (Hz)	50 /60			
PF	0.8 lagging-0.8 leading			
THDi	<3%			
AC output topology	split phase,2/3 phase,single phase			
Battery				
Battery voltage range(V)	40~58			
Max. charging voltage(V)	58			
Max. charge/discharge current(A)	120/120	135/135	190/190	210/210
Battery type	Lithium / Lead-acid			
Communication interface	CAN/RS485			
EPS Output				
Rated power (kVA)	5	6	8	10
Rated output voltage(V)	120/240(split phase),208(2/3 phase),230(single phase)			
Rated output current(A)	24	28.8	38.3	47.8
Rated frequency (Hz)	50 /60			
Automatic switching time (ms)	<20			
THDu	<2%			
Overload capacity	125%, 60S/150%, 1S			
General Data				
Max. efficiency	98.20%			
North America efficiency	97.20%			
IP Ratio	IP65/NEMA 3R			
Noise emission (dB)	<25	<29	<29	<29
Operation temperature	- 25℃ 60℃			
Cooling	Natural			
Relative humidity	0 ~95% non-condensing			
Altitude	2,000m(>2,000 Derating)			
Isolation transformer	No			
Self-consumption(W)	<3			
Dimensions W*D*H (mm)	430*220*710			
Weight (kg)	41			
Display and communication				
Display	LCD			
Interface:RS485/Wifi/4G/ CAN/DRM	Yes/ Optional/Optional/ Yes/ Yes			

BATTERY ENCLOSURE



1. Mounting Tab
2. Electrical Assembly (Not included)
3. Rain Drip Lip
4. Fiberglass "Insect Proof" Screen on all Louvered Openings
5. Back Panel
6. Stainless Lockable Draw Latch
7. BBA-6 Cabinet
8. Battery (Not included)
9. Filter Media (Removable for cleaning)
10. Double Flanged Door Opening
11. (2) 1/2" NPT Knock-outs (CGB's/Conduit Fittings)
12. Door Stop
13. Stainless Steel Hinge
14. Closed Cell Neoprene Gasket

BBA-6 Series Features:

NEMA Ratings
- NEMA 3R (Standard), NEMA 4, NEMA 4X

Available Material and Finish
- Mill nished aluminum (Standard)
  - Powder coated aluminum (White)
  - Stainless steel (304 or 316)

Enclosure Dimensions
- Overall: (H) 40.125" x (W) 25.25" x (D) 17.125"
- Opening: (H) 31.625" x (W) 21.5"
- Inside: (H) 35.75" x (W) 23.75" x (D) 14.875"

Back Panel Dimensions
- (H) 17" x (W) 21.75"

Battery Capacity
- (6) BCI Group 27
- (6) BCI Group 30
- (6) BCI Group 31
- (2) BCI Group 8G4D
- (2) BCI Group 8G8D

Weight
- 61 lbs

Sized to meet solar system requirements

Door fans available in 12V, 24V, and 48V DC/120V AC

Additional Options:

- Breather/drain for NEMA4 - 4X (Required for all battery applications)
- Heat strips (120V, 150W with thermostat)
- Interior insulation (Low E)
- Sun shields (Available for top, sides, and door

ALL-IN-ONE ESS & INVERTER CABINET

PRODUCT OVERVIEW

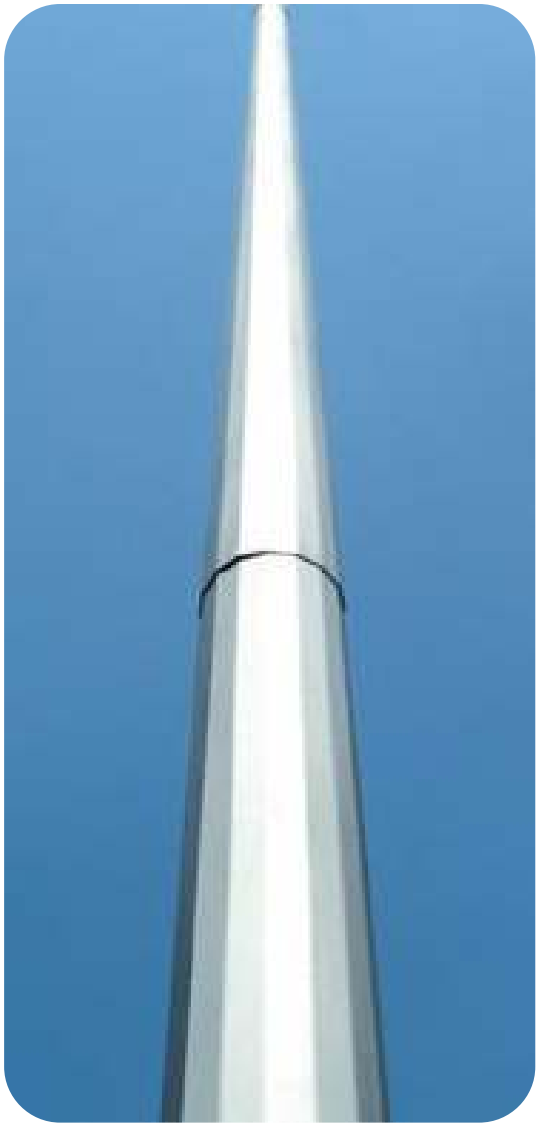
Outdoor cabinet air cooling energy storage system for off-grid commercial and industrial applications.

FEATURES

- All-in-one battery and hybrid inverter
- Modular design, highly integrated.
- Standardized design, easy to expand and maintain.
- Supports parallel installation.
- Fast deployment and quick setup on-site.
- Reduces your carbon footprint.
- Tier-1 LFP batteries.
- Integrated battery management system and thermal management.
- Wide operating temperature range.
- Fire suppression system.
- IP54 for outdoor applications.
- C3 anti-corrosion.
- Saves capex.
- Low levelized cost of storage (LCOS).
- High energy density, space saving.

MODEL#	EV- PQA-AA1220	EV-PQA-AA1240
DC BATTERY		
Nominal Voltage	51.2V	51.2V
Rated Capacity	400Ah	800Ah
Energy	20.48KWh	40.96KWh
AC		
Rated Power	12KW	
Rated Voltage & Frequency	230V, 50/60Hz	
THD	<3%	
Power Factor	>0.99	
Adjustable Power Factor	-1 leading ~ 1 lagging	
GENERAL DATA		
Operating Temperature	– 25℃ 60C (>45C derating)	
Relative Humidity	0 ~95% non-condensing	
IP Rating	IP54	
Altitude	5,000m (>3,000 derating)	
Cooling	Air cooling	
DISPLAY & COMMUNICATION		
Display	LCD screen	
Communication Protocol	Modbus	
Communication Interface	RS485 / RS232 / CAN / dry connect	

HIGH MAST SUPPORT POLES

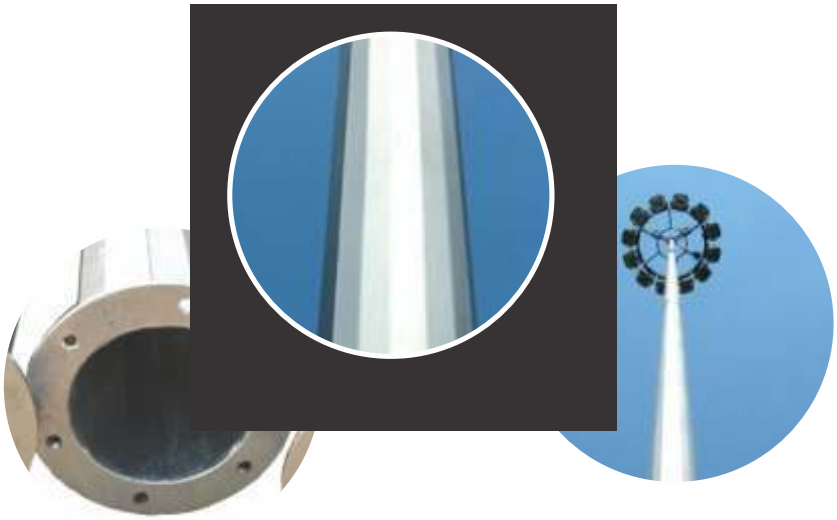


Features

- High grade mild steel
- Strong base plate
- Hot dip galvanized
- Higher durability
- Corrosion free

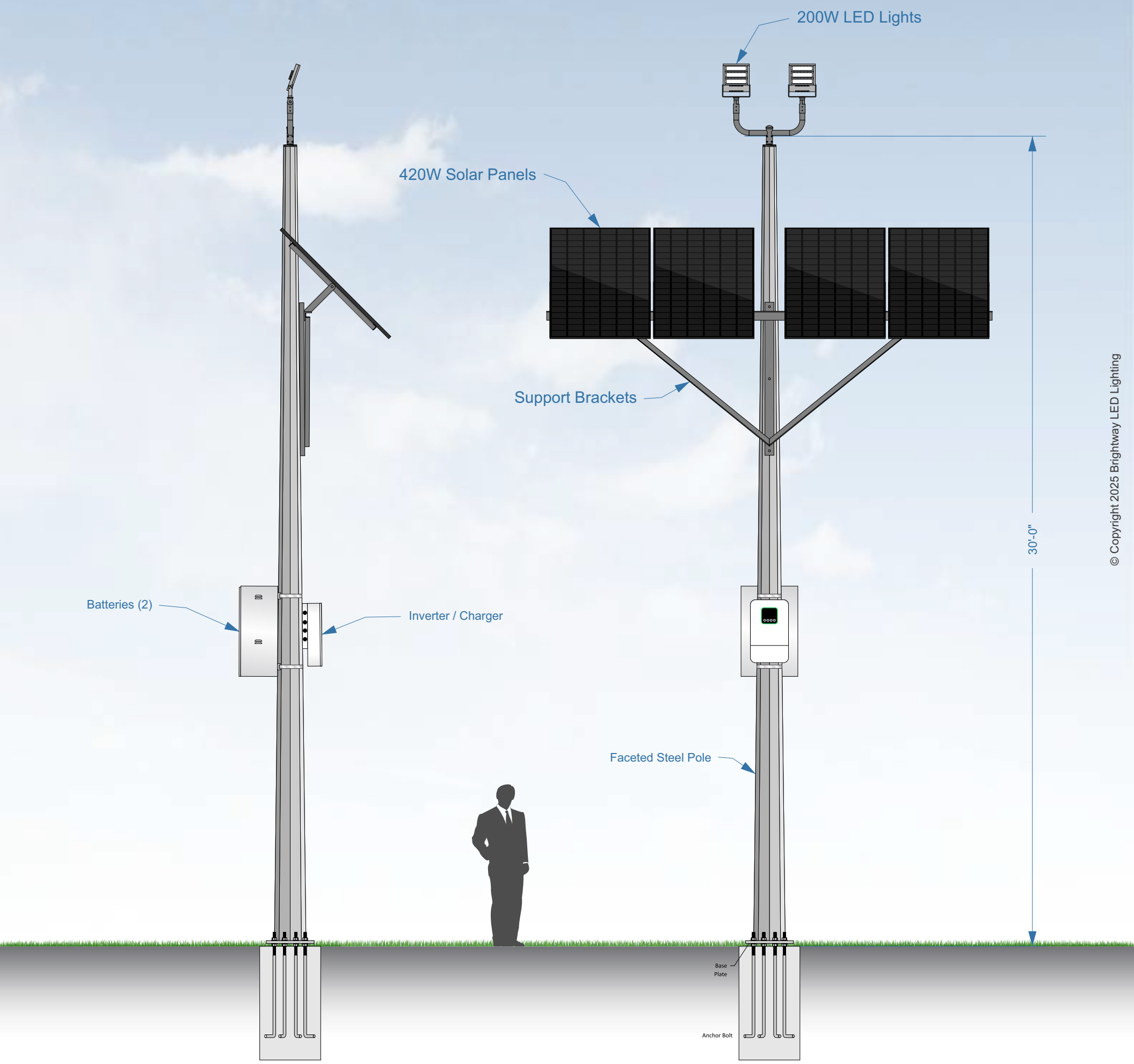
Advantages

Fabricated from stainless steel and with the best in class technology, our High Mast poles promise to provide quality with zero defect generation assurance. Additionally, the pole material is corrosion-resistant and structurally durable.



Tech Detail	12 Mtr	12.5 Mtr	16 Mtr	20 Mtr	25 Mtr	30 Mtr	40 Mtr
Material Construction	BSEN10025 S355						
Thickness	3, 3 mm	3, 3 mm	3, 4 mm	3, 4 mm	3, 4, 4 mm	3, 4, 5 mm	4, 4, 5, 5, 6, 6 mm
Top & Bottom Dia	150/310 mm	150/360 mm	150/360 mm	150/410 mm	150/460 mm	150/500 mm	150/700 mm
Size of base plate	500 mm	540 mm	540 mm	610 mm	660 mm	700 mm	900 mm
Base plate thickness	16 mm	16 mm	20 mm	25 mm	25 mm	30 mm	40 mm
No. of foundation bolts	6 nos	6 nos	8 nos	8 nos	12 nos	12 nos	16 nos

MODEL: LT30-400



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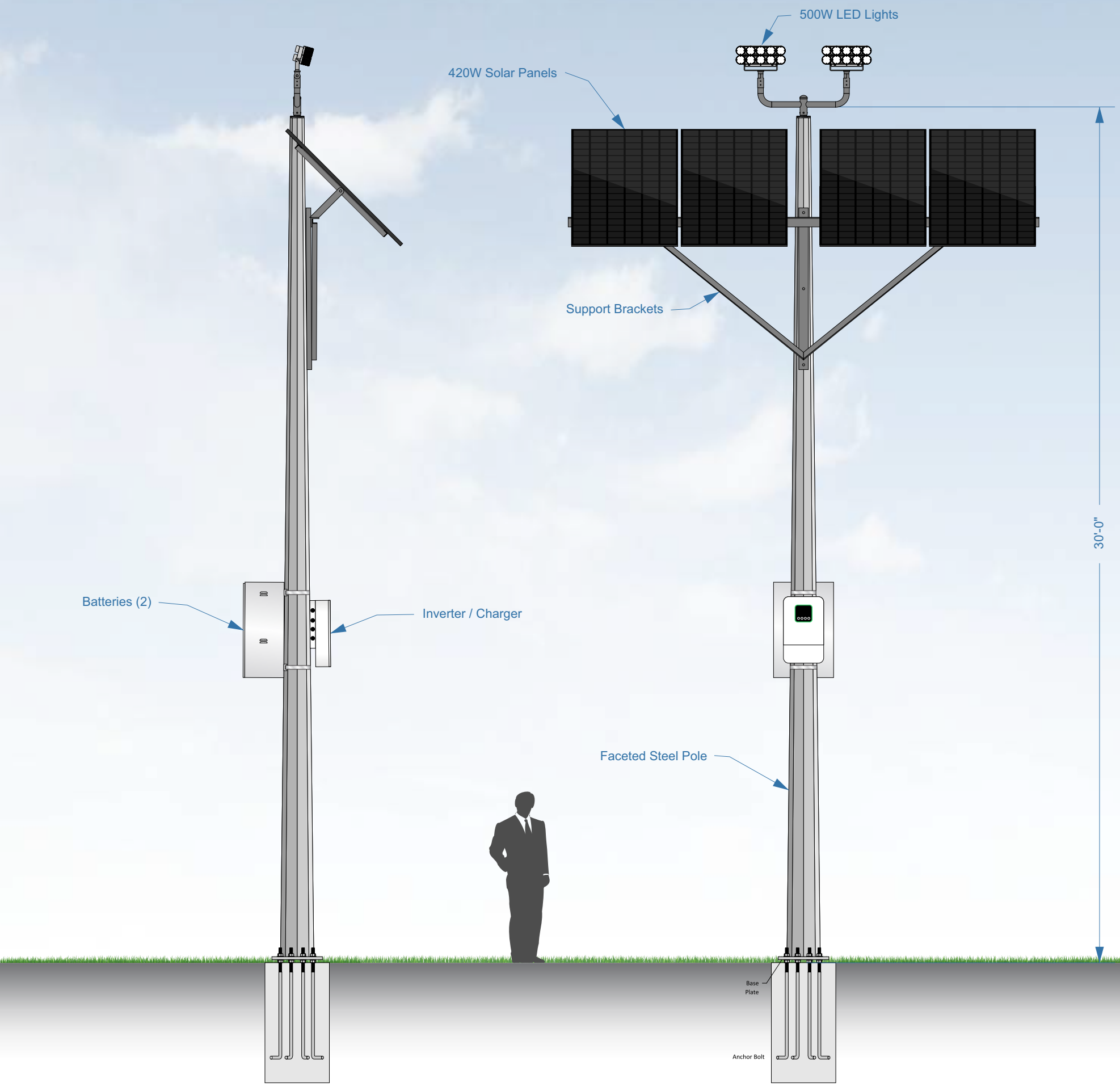
400W 30' SOLAR LIGHT TOWER

(2) 200W LED lights with 4x420W monocrystalline solar panels. 3x12V/200Ah gel batteries. 400W inverter. 400W MPPT controller. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Gel batteries mounted in weather tight enclosures. Discharge = 12 hours at 100% full power (+/- based on 4 sun hours per day).

MODEL: LT30-1000



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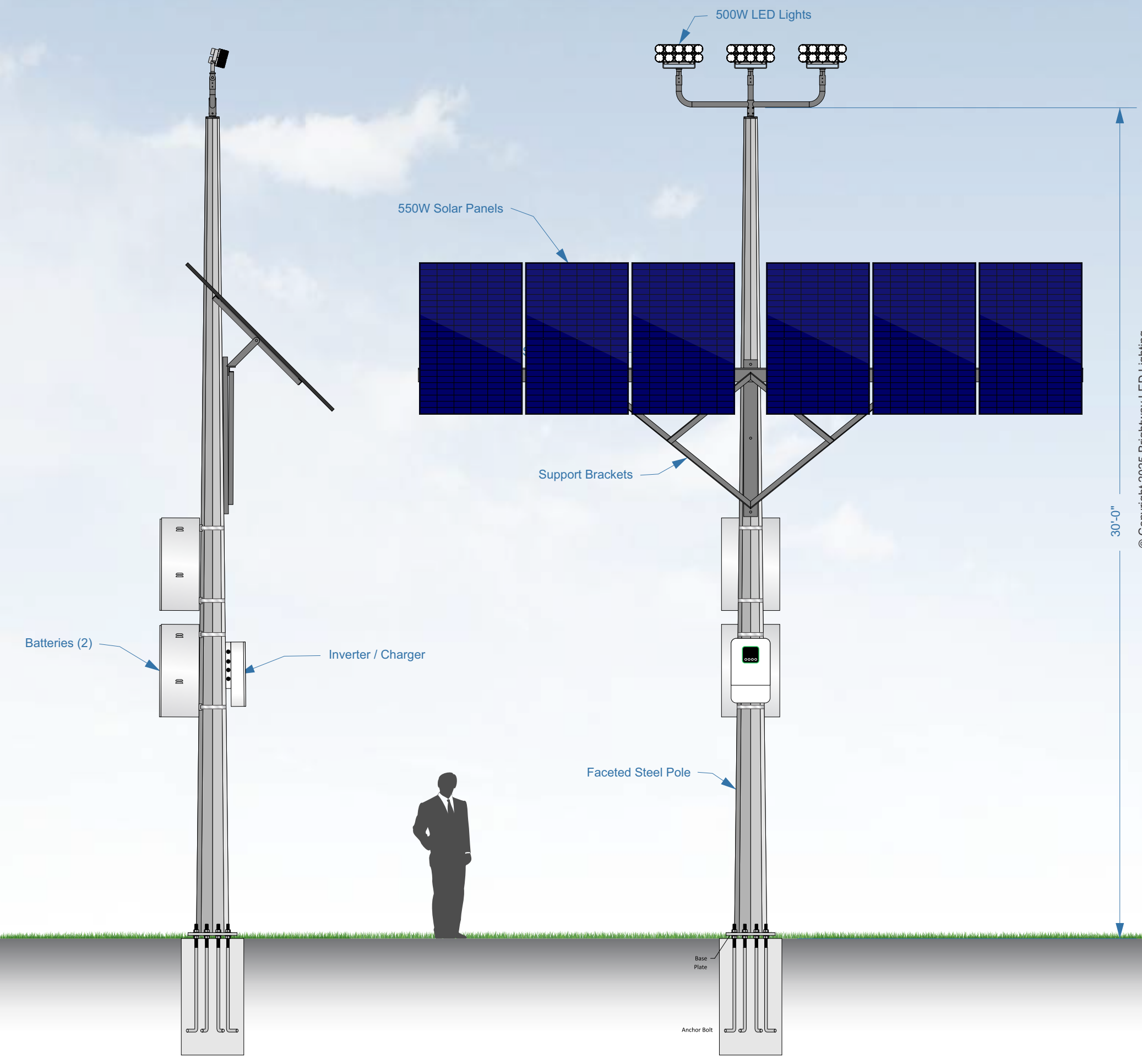
1000W 30' SOLAR LIGHT TOWER

2x500W LED lights with 4x420W solar panels. 2x200 AH / 25.6V batteries. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Lithium batteries mounted in weather tight enclosures. Discharge = 5.5 hours at 100% full power (+/- based on 4 sun hours per day).

MODEL: LT30-1500



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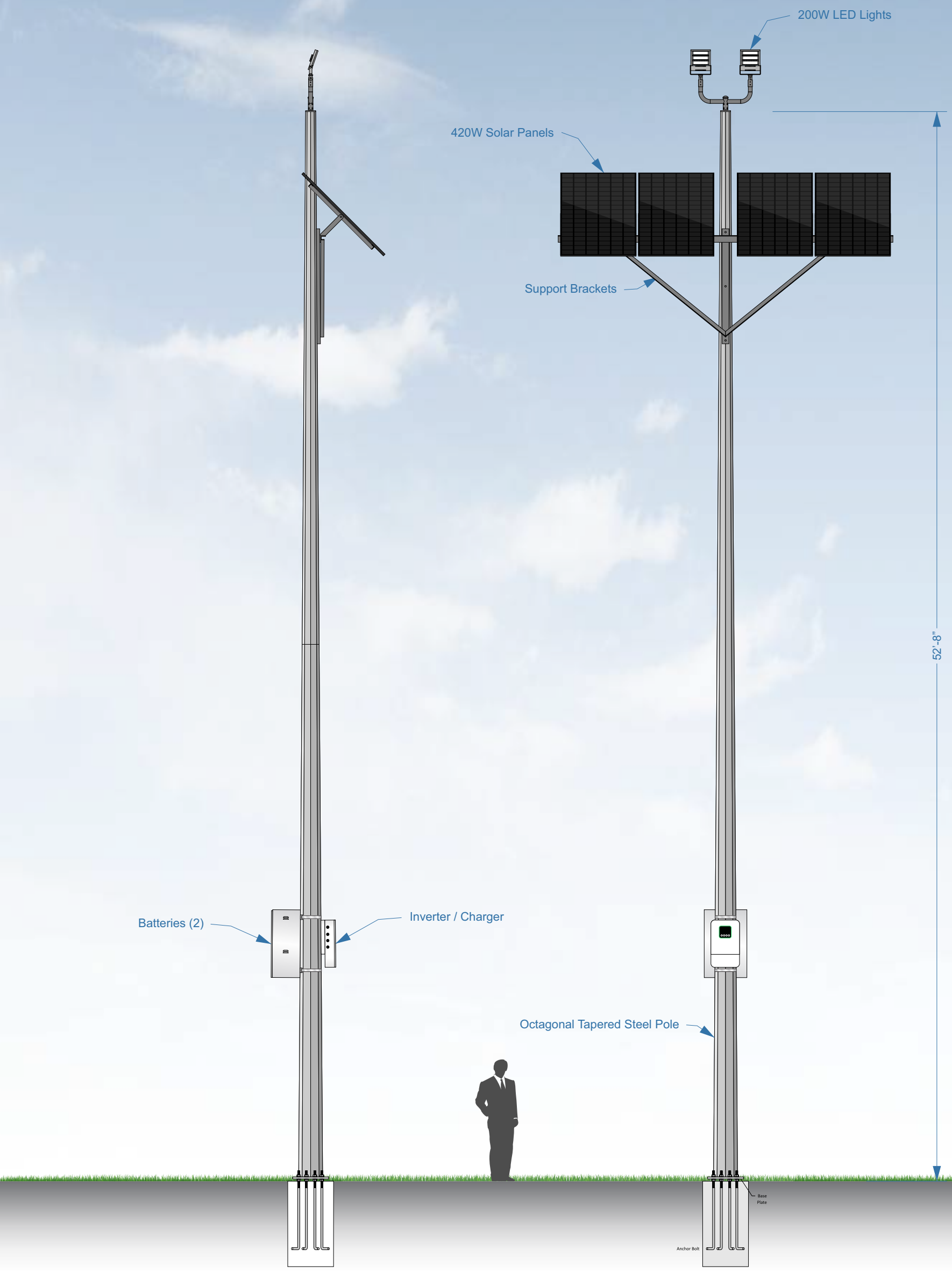
1500W 30’ SOLAR LIGHT TOWER

(3) 500W LED lights with 6x550W bi-facial solar panels. 4x200 AH / 25.6V batteries. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Lithium batteries mounted in weather tight enclosures. Discharge = 8 hours at 100% full power (+/- based on 4 sun hours per day).

MODEL: LT53-400



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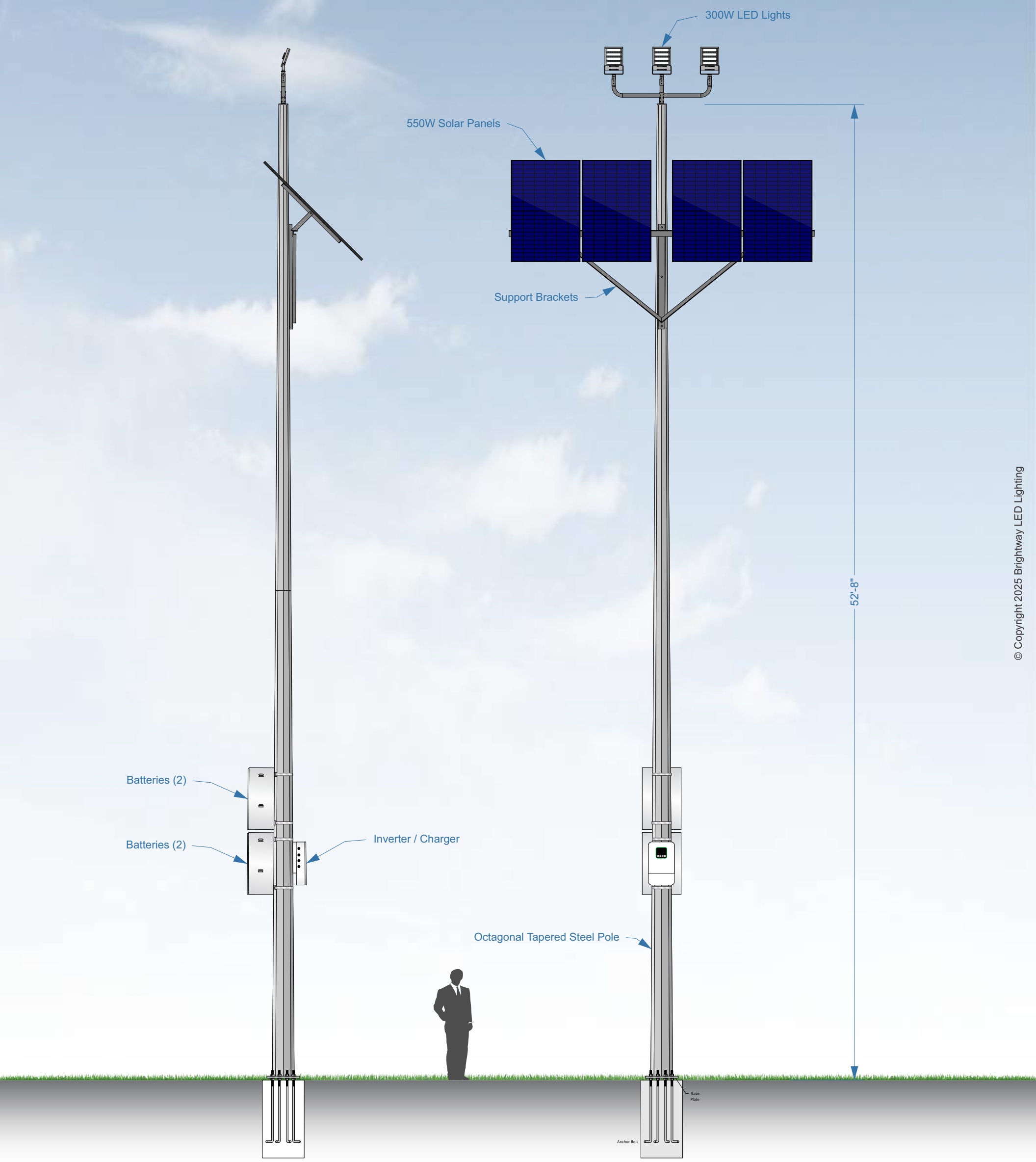
400W 53' SOLAR LIGHT TOWER

(2) 200W LED lights with 4x420W monocrystalline solar panels. 3x12V/200Ah gel batteries. 400W inverter. 400W MPPT controller. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Gel batteries mounted in weather tight enclosures. Discharge = 12 hours at 100% full power (+/- based on 4 sun hours per day).

MODEL: LT53-900



900W 53' SOLAR LIGHT TOWER

(3) 300W LED lights with 4x550W monocrystalline solar panels. 4x25.6V/100Ah gel batteries. 3000W inverter. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Gel batteries mounted in weather tight enclosures. Discharge = 9 hours at 100% full power (+/- based on 4 sun hours per day).

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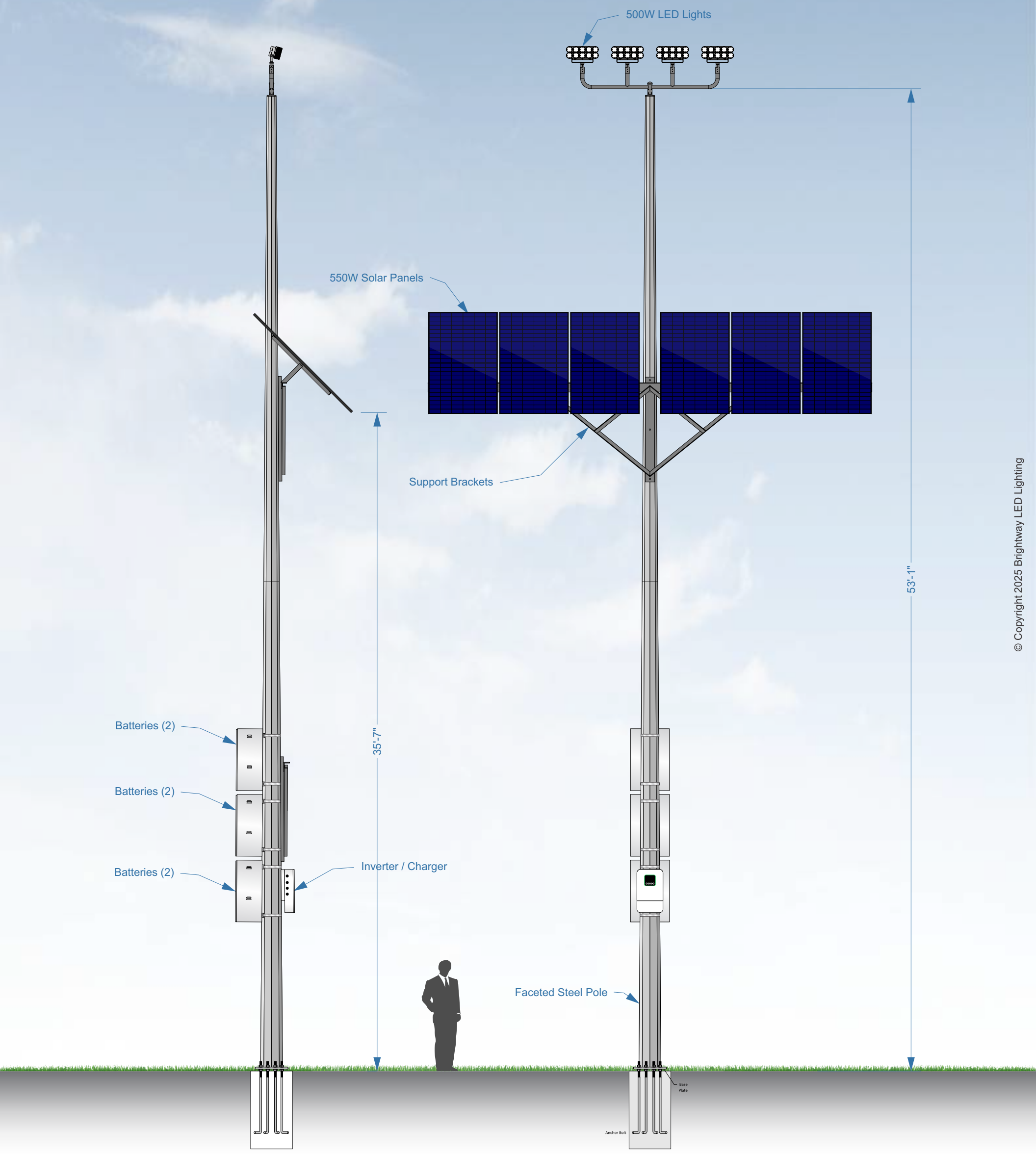
MODEL: LT53-2000



2000W 53' SOLAR LIGHT TOWER

(4) 500W LED lights with 6x550W bi-facial solar panels. 6x200 AH / 25.6V batteries. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Lithium batteries mounted in weather tight enclosures. Discharge = 8 hours at 100% full power (+/- based on 4 sun hours per day).

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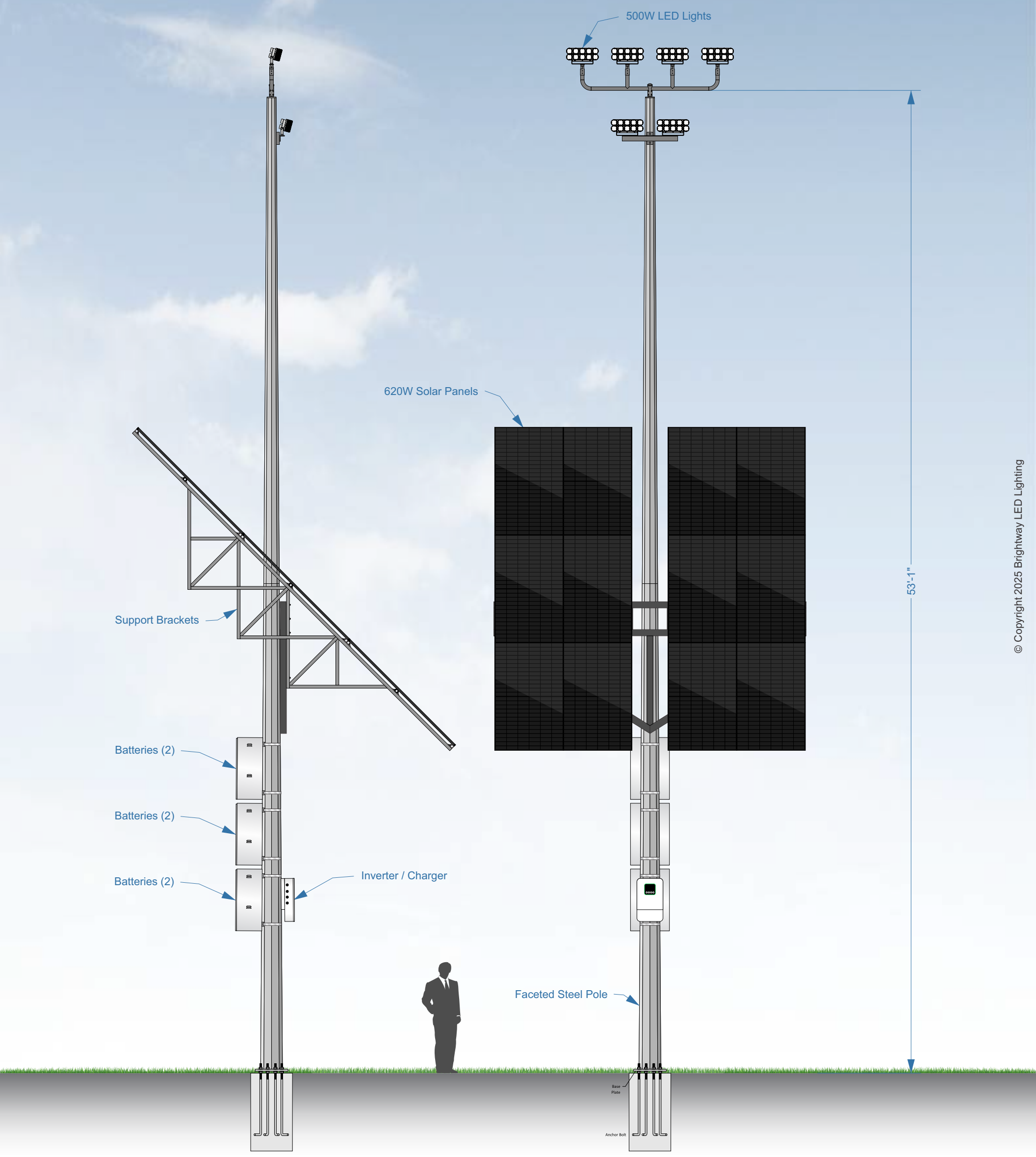
MODEL: LT53-3000



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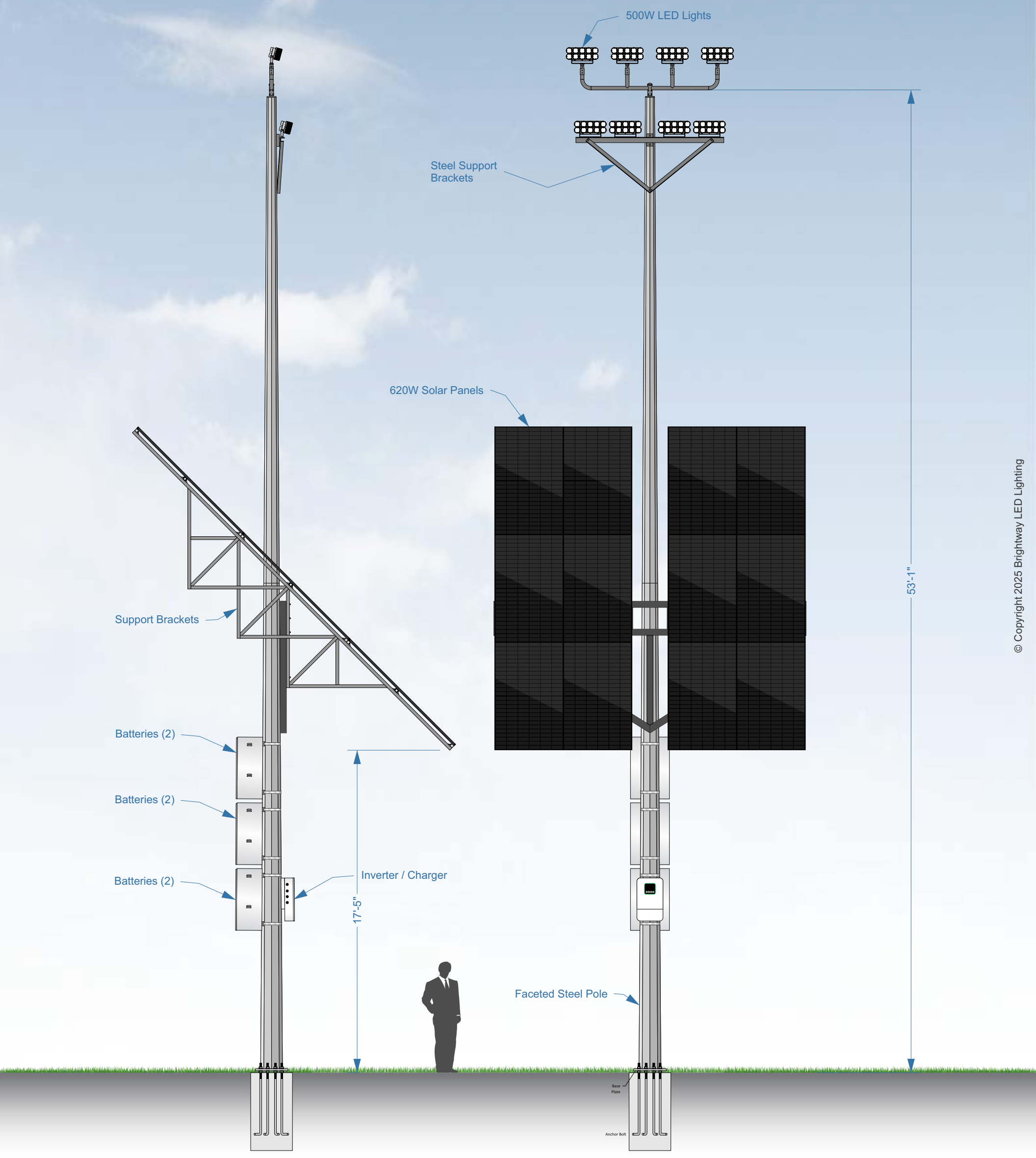
3000W 53' SOLAR LIGHT TOWER

(6) 500W LED lights with 12x620W solar panels. 6x200 AH / 25.6V batteries. 5kW inverter/charger. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Lithium batteries mounted in weather tight enclosures. Discharge = 8 hours at 100% full power (+/- based on 4 sun hours per day).

MODEL: LT53-4000



4000W 53' SOLAR LIGHT TOWER

(8) 500W LED lights with 12x620W solar panels. 6x200 AH / 25.6V batteries. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Lithium batteries mounted in weather tight enclosures. Discharge = 6 hours at 100% full power (+/- based on 4 sun hours).

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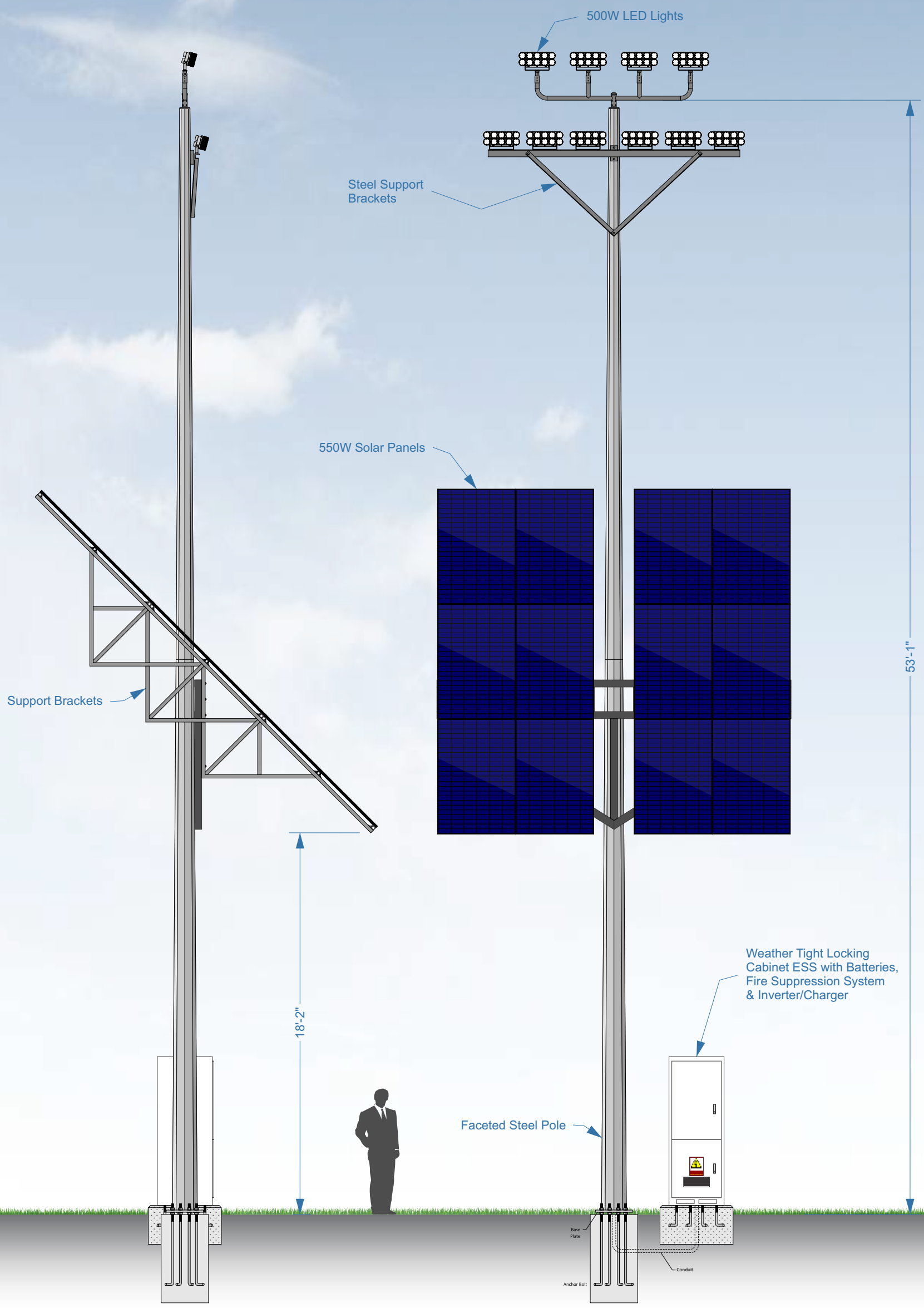
MODEL: LT53-5000C



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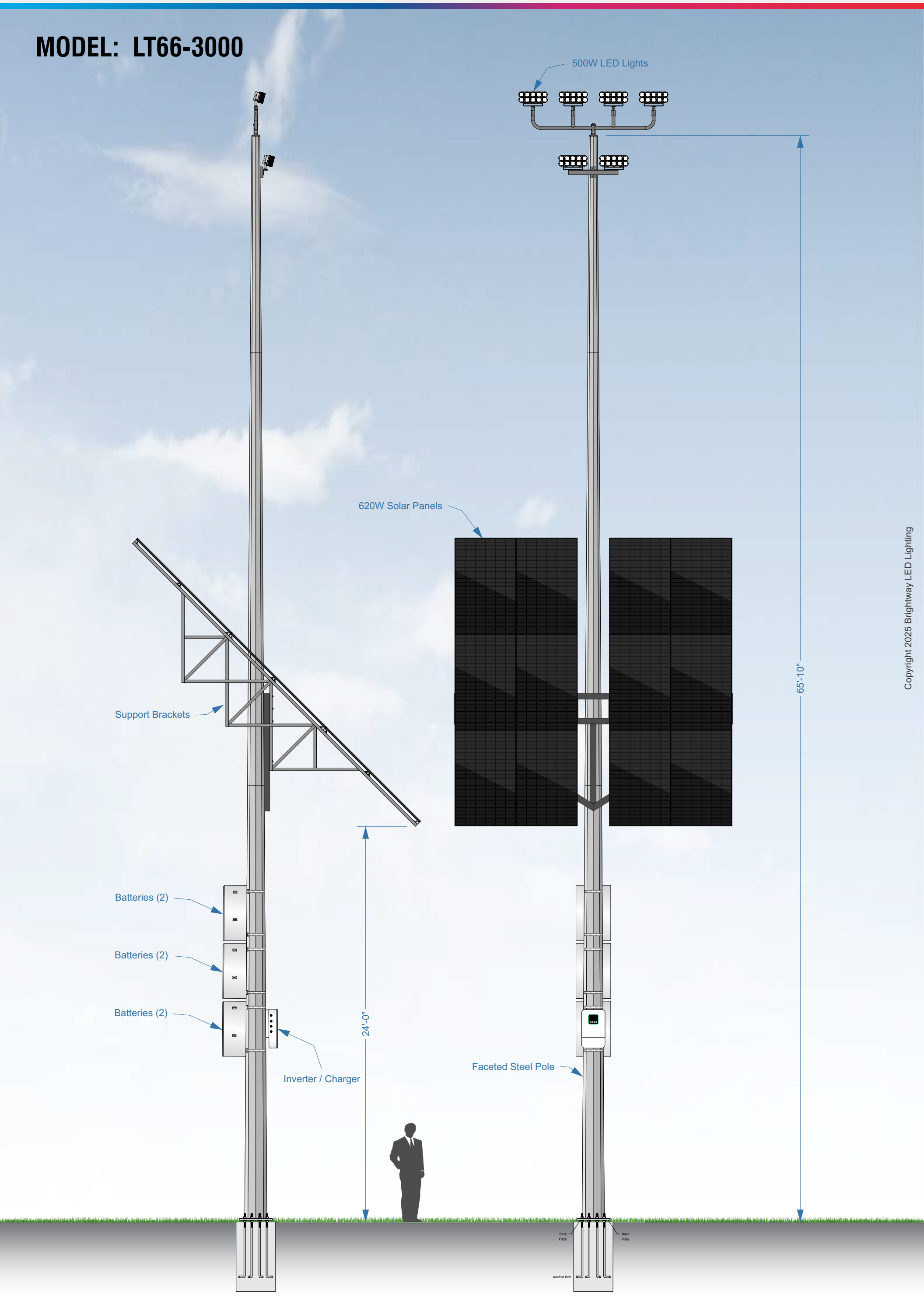
5000W 53' SOLAR LIGHT TOWER

(10) 500W LED lights with 12x620W impact resistant solar panels. BESS - Tier-1 LFP battery cell pack: 51.2V, 280AH, 14.336KWh, 4packs in parallel - total 57.344KWh. 10kW inverter, (11kW max PV input), 120VAC output 500VDC max open circuit voltage. Tapered steel pole with steel and aluminum support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Discharge = 5.5 hours at 100% full power (+/- based on 4 sun hours per day).

MODEL: LT66-3000



3000W 66' SOLAR LIGHT TOWER

(6) 500W LED lights with 12x620W solar panels. 6x200 AH / 25.6V batteries. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Lithium batteries mounted in weather tight enclosures. Discharge = 8 hours at 100% full power. (+/- based on 4 sun hours per day)

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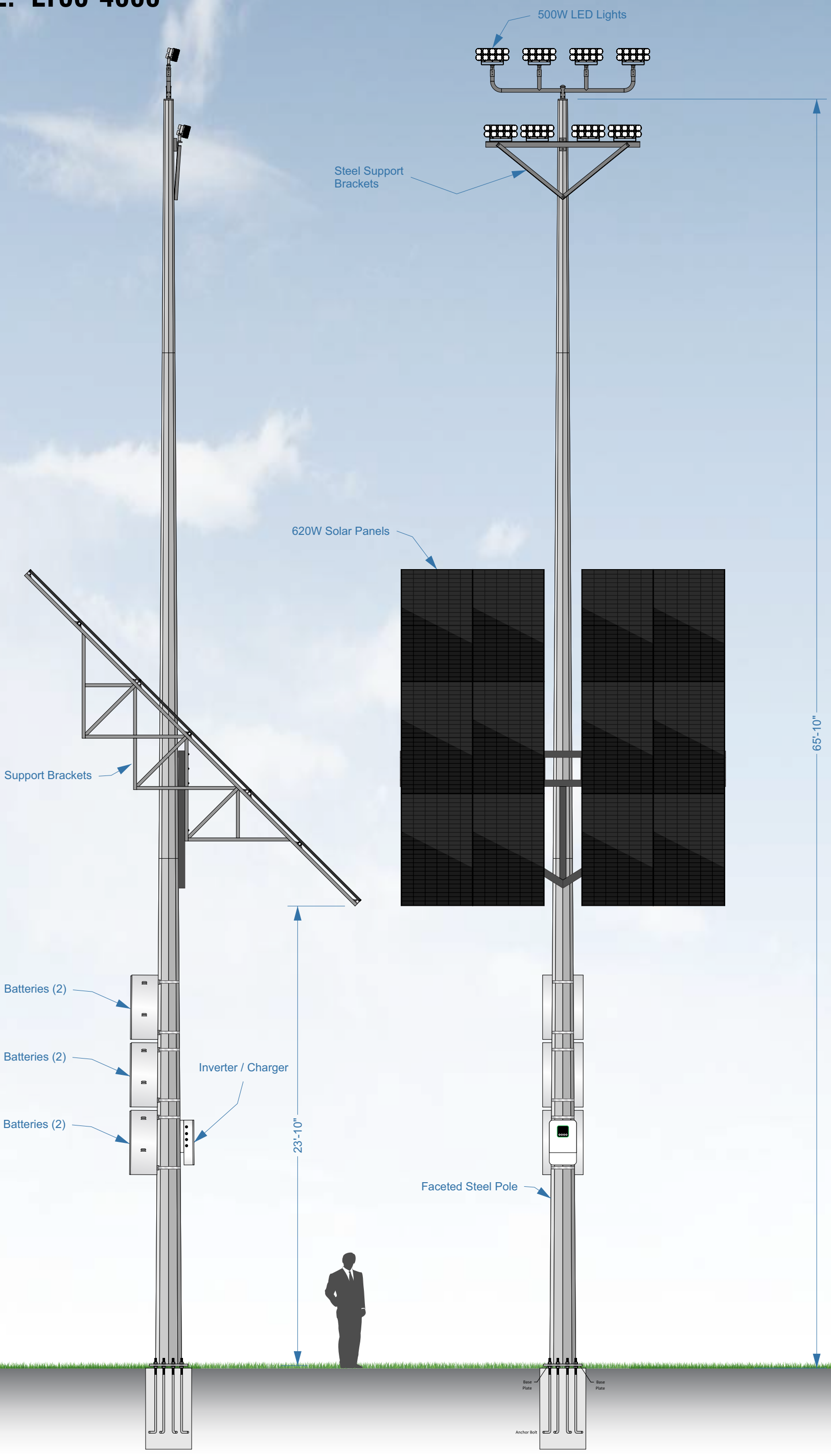
MODEL: LT66-4000



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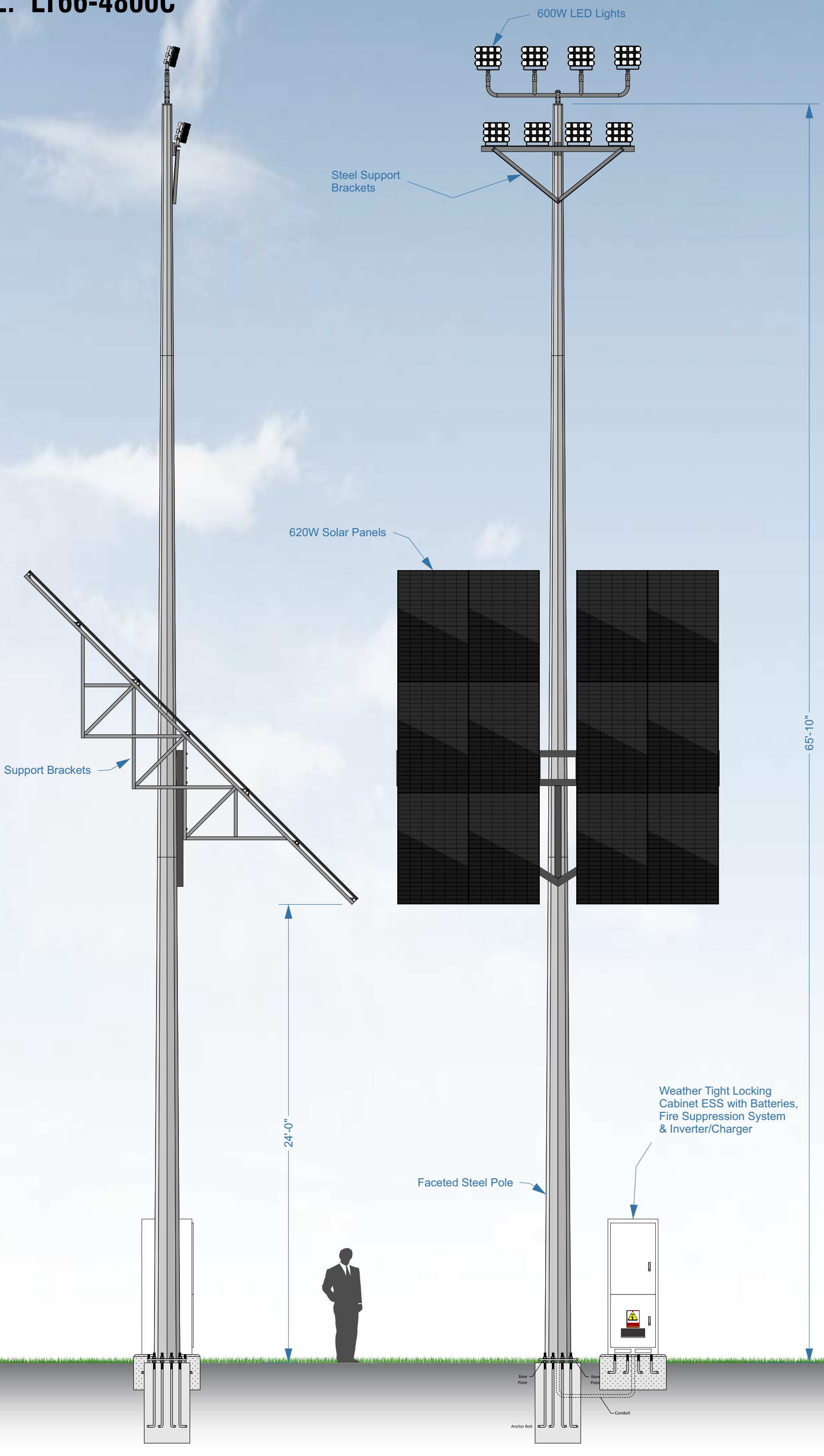
4000W 66' SOLAR LIGHT TOWER

(8) 500W LED lights with 12x620W solar panels. 6X200AH / 25.6V batteries. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Lithium batteries mounted in weather tight enclosures. Concrete footings (footing dimension determined by registered engineer). Discharge = 6 hours at 100% full power (+/- based on 4 sun hours per day).

MODEL: LT66-4800C



4800W 66' SOLAR LIGHT TOWER

(8) 600W LED lights with 12x620W impact resistant solar panels. BESS - Tier-1 LFP battery cell pack: 51.2V, 280AH, 14.336KWh, 4packs in parallel - total 57.344KWh. 10kW inverter, (11kW max PV input), 120VAC output 500VDC max open circuit voltage. Tapered steel pole with steel and aluminum support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Discharge = 5.5 hours at 100% full power (+/- based on 4 sun hours per day).

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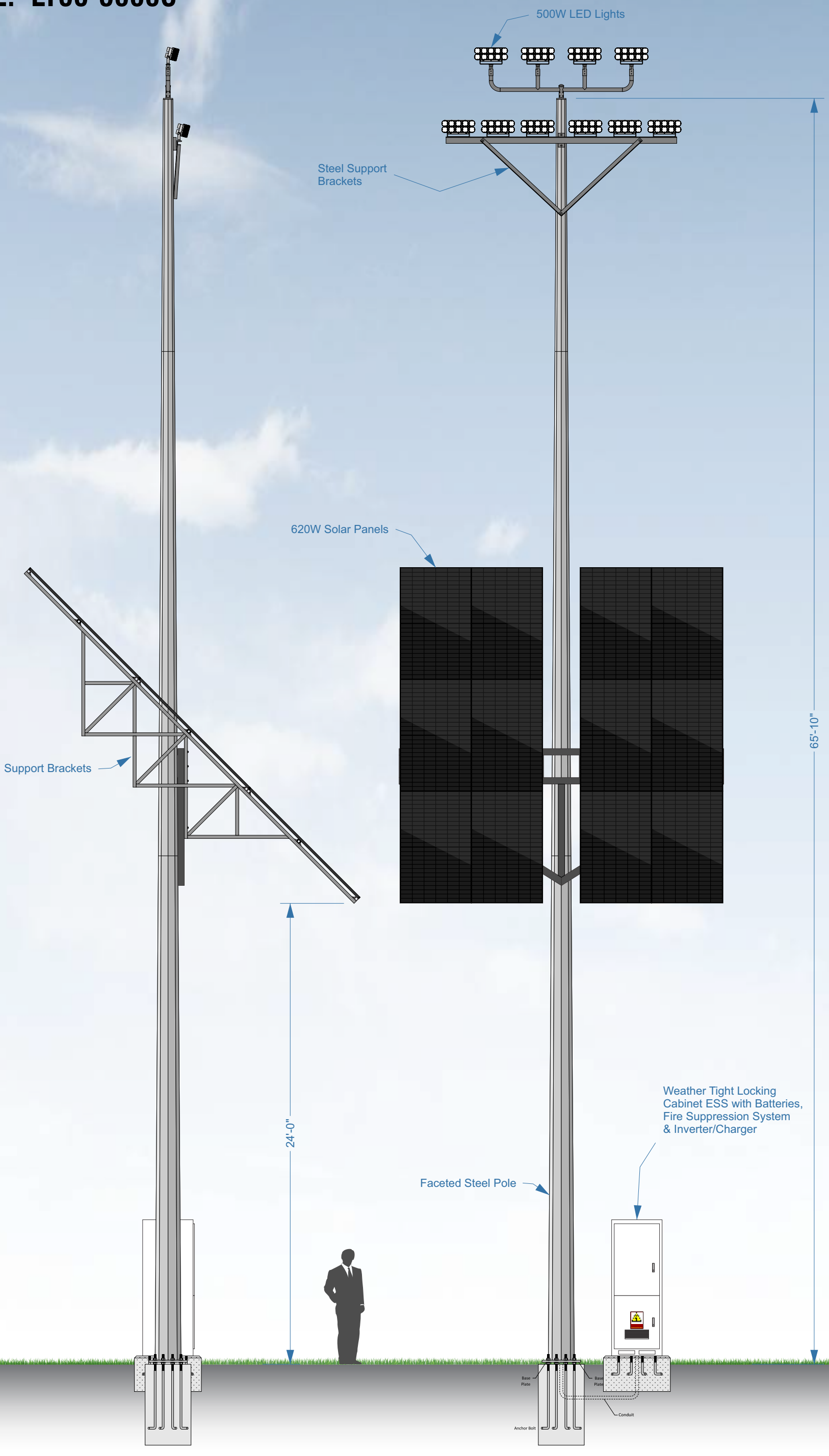
MODEL: LT66-5000C



5000W 66' SOLAR LIGHT TOWER

(10) 500W LED lights with 12x620W impact resistant solar panels. BESS - Tier-1 LFP battery cell pack: 51.2V, 280AH, 14.336KWh, 4packs in parallel - total 57.344KWh. 10kW inverter, (11kW max PV input), 120VAC output 500VDC max open circuit voltage. Tapered steel pole with steel and aluminum support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Discharge = 5.5 hours at 100% full power (+/- based on 4 sun hours per day).

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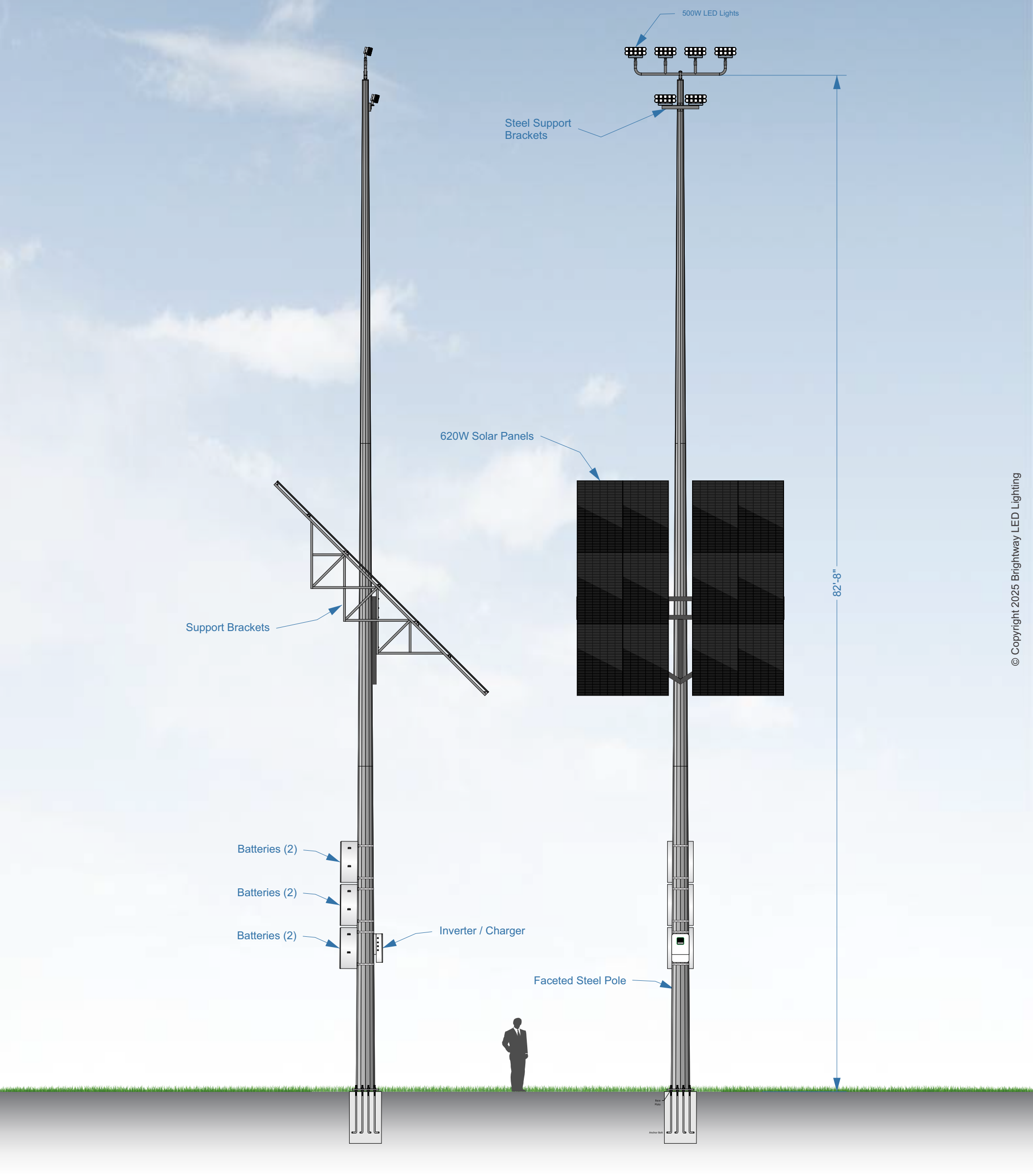
MODEL: LT82-3000



3000W 82' SOLAR LIGHT TOWER

(6) 500W LED lights with 12x620W solar panels. 6x200 AH / 25.6V batteries. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Lithium batteries mounted in weather tight enclosures. Discharge = 8 hours at 100% full power. (+/- based on 4 sun hours per day)

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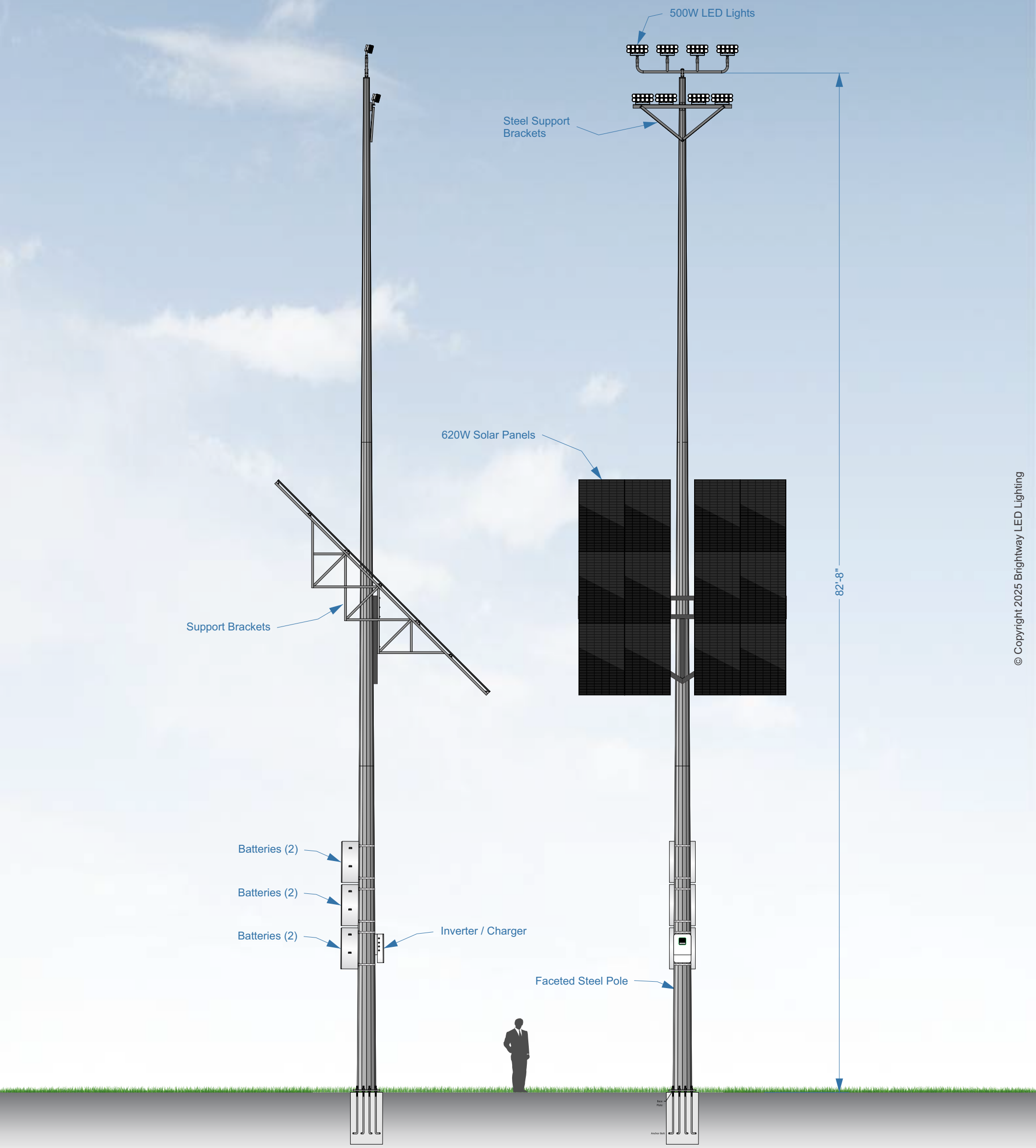
MODEL: LT82-4000



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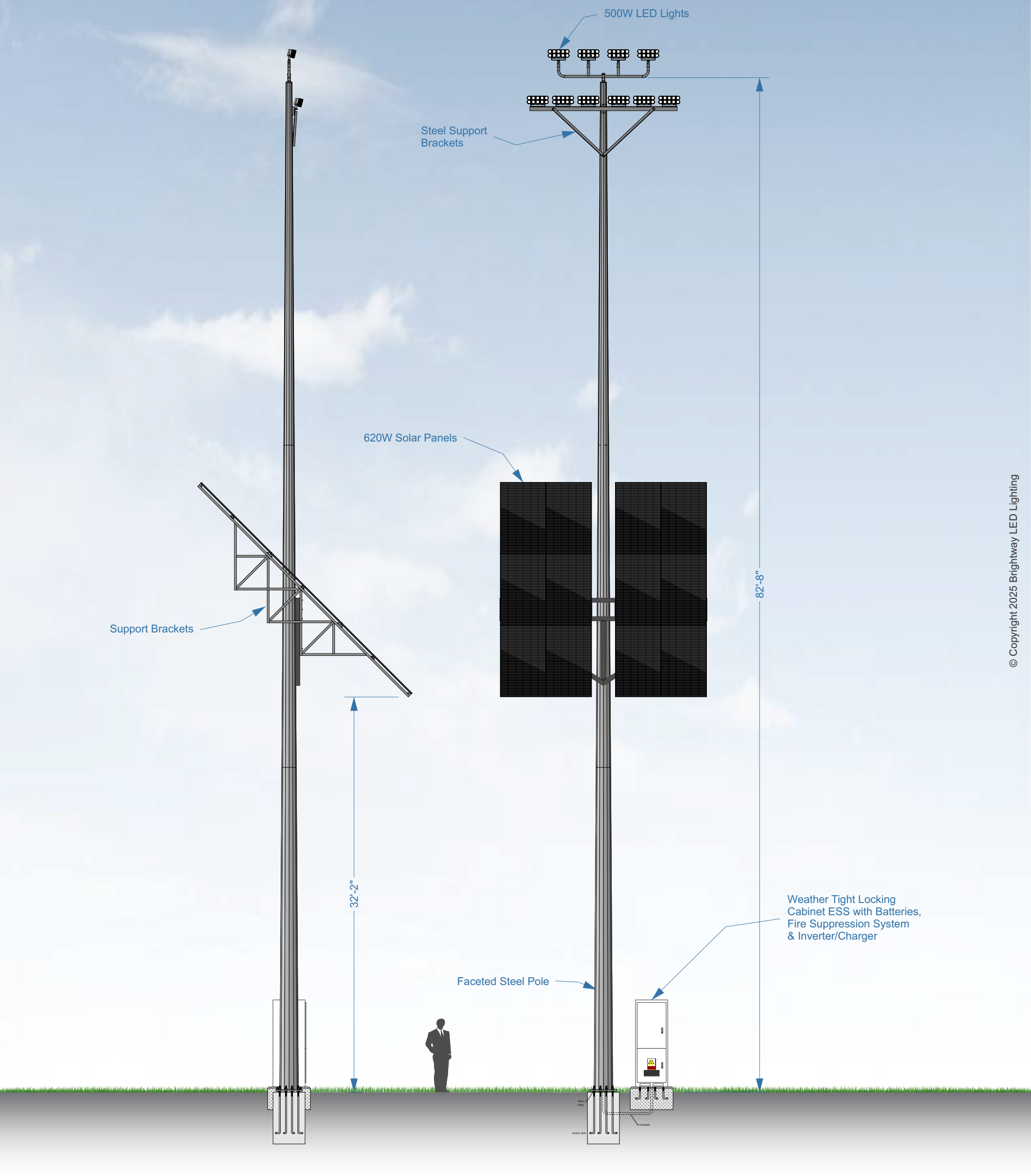
4000W 82' SOLAR LIGHT TOWER

(8) 500W LED lights with 12x620W solar panels. 6x200 AH / 25.6V batteries. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Lithium batteries mounted in weather tight enclosures.Discharge = 6 hours at 100% full power (+/- based on 4 sun hours per day).

MODEL: LT82-5000C



5000W 82' SOLAR LIGHT TOWER

(10) 500W LED lights with 12x620W impact resistant solar panels. BESS - Tier-1 LFP battery cell pack: 51.2V, 560AH, 14.336KWh, 4 packs in parallel - total 57.344KWh. 10kW inverter, (11000W max PV input), 120VAC output 500VDC max open circuit voltage. Tapered steel pole with steel angle support brackets and bullhorn mounting arms for lights, steel angle braces for solar panels. Concrete footings (footing dimension determined by registered engineer). Discharge = 5 hours at 100% full power (+/- based on 4 sun hours per day).

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SolarBright™

SOLAR POWERED LED LIGHT TOWERS

BRIGHTWAY LED Lighting

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