

DESIGN SERIES DATASHEET



Design Series On-Grid			
General			
Warranty:	5 year full system warranty		
Wind Loading:	170 mph*		
Safety Certification	Solar Light Pole is CSA certified; All components are listed or recognized by an NRTL		
Pole	15' Pole	25' Pole	30' Pole
Total Dimension:	15' H x 10" diameter	25' H x dual diameter	30' H x dual diameter
Base Dimensions:	5'10" H x 10" diameter	5' H x 10" diameter	5' H x 10" diameter
Body Dimensions:	9'2" H x 10" diameter	20' H x 7" diameter	25' H x 7" diameter
Material:	T6 Powder Coated Spun Aluminum Pole	T6 Powder Coated Spun Aluminum Pole	T6 Powder Coated Spun Aluminum Pole
Mounting Options:	Base mount or direct burial option	Base mount or direct burial option	Base mount or direct burial option
Features:	Secure service access panel	Secure service access panel	Secure service access panel
Solar Collector	15' Pole	25' Pole	30' Pole
Solar Collector Dimensions:	8.4'H x 30"W	18'H x 15.5" W	18'H x 15.5" W
Orientation:	Sun-facing, wrapped 340° around pole body	Sun-facing, wrapped 225° around pole body	Sun-facing, wrapped 225° around pole body
Nameplate Power:	Pmax 123 Watts	Pmax 144 Watts	Pmax 144 Watts
Features:	Shade Tolerant, damage tolerant, contaminant resistant	Shade Tolerant, damage tolerant, contaminant resistant	Shade Tolerant, damage tolerant, contaminant resistant
Pole Attachment:	Adhesive backed solar collector with supporting aluminum rivets	Adhesive bonded solar collector with supporting aluminum rivets	Adhesive bonded solar collector with supporting aluminum rivets
Life:	80% Power at 25 years life	80% Power at 25 years life	80% Power at 25 years life
Luminaire			
LED Luminaire Options:	The On-Grid system is compatible with a wide variety of LED luminaires. Please consult with Inovus before placing an order.		
Micro Inverter			
Efficiency:	0.95 Peak		
Environmental Enclosure Rating:	Outdoor - NEMA 6		
Operating Temperature Range:	-40°F to +149°F		
Certification	UL 1741 Compliant		
Central Control & Management			
Dusk-On/Dawn-Off Control:	PhotoCell		
Protection from Elements and Intrusion			
System:	Solar Light Pole is Wet Listed per CSA Certification		
Wiring:	Marine-grade wiring used for all applications to resist degradation		
Electrical connection:	Connections coated to inhibit corrosion in hostile environments		
1. System performance is highly dependent on location and weather conditions. 2. Life of LEDs dependent on usage model. * All wind load ratings are calculated per AASHTO 2001 specifications. Actual wind load rating will depend on luminaire and arm selections. 170 mph rating is valid for luminaires and arms with a combined EPA equal to or less than 2.30 ft ²			



DESIGN SERIES CUT SHEET

Please select the Pole Version (15', 25' or 30') and Line Voltage desired and fill in the appropriate part numbers. X's represent options to be filled out internally by Inovus.

GSP:_____:_____:PX:X:X:X

Design On-Grid

Product name example (GSP:01:208:PX:X:X:X)

Product	:	Pole Version	:	Line Voltage	:	Control & Monitoring	:
GSP	Design Series On-Grid	01	Black 25' ht, 10-7" dia, Aluminum pole	120	120 Volt	PX	Photocell control
		04	Black, 15' Ht, 10" Dia., Aluminum pole	208	208 Volt		
		05	Black, 30' Ht, 10-7" Dia., Aluminum pole	240	240 Volt		
				277	277 Volt		
				480	480 Volt		



STRAIGHT ARM CUT SHEET

If you would like an 18" straight arm, please select the Head Count (single, dual, triple or quad) and fill in the appropriate part number. X's represent options to be filled out internally by Inovus.

SA:18:____:BK:X

Part number example (SA:18:S:BK:X)

Arm Type	:	Length	:	Heads	:	Color	:
SA	Straight Arm	18	18 inches	S	Single	BK	Black
				D	Dual		
				T	Tri		
				Q	Quad		

MAST ARM CUT SHEET

If you would like a 4' mast arm, please select the Head Count (single or dual) and fill in the appropriate part number. X's represent options to be filled out internally by Inovus.

MA:04:____:12:BK:X

Mast Arms

Part number example (MA:04:S:12:BK:X)

Arm Type	:	Length	:	Heads	:	Rise	:	Color	:
MA	Mast Arm	04	4 foot	S	Single	12	12 inch	BK	Black
				D	Dual				