



ELEMENT PLUS DATASHEET

Element Plus, On-Grid			
General			
EPA:	@ 20° Panel Tilt = 0.44m ²		
Warranty:	5 year full system warranty		
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' H x 11" diameter	5' H x 11" diameter	5' H x 11" diameter
Body Dimensions:	10' H x 7" 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
Wind Loading:	150 mph*	150 mph*	120 mph*
Solar Collector			
Solar Collector Dimensions:	1638 x 982 x 40 mm (64.5 x 38.7 x 1.57 in)		
Orientation:	Sun-facing, tilt varies per location, 5°-45° of tilt possible in 5° increments		
Nameplate Power:	Pmax 240 Watts		
Cell Type:	Poly-crystalline		
Life:	80% Power at 25 years life		
Certifications:	UL 1703, IEC 61215 and 61730, CEC Listed, CQC, JET, CE, MCS, Kemco		
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			
Wiring:	Marine-grade wiring used for all applications to resist degradation		
Electrical Connections:	Connections coated to inhibit corrosion in hostile environments		
Control Board:	Conformal coating used to protect all components on control board from water damage		
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. Wind load rating may vary based on solar panel tilt and pole height. Please contact Inovus for project-specific wind load ratings.			



ELEMENT PLUS CUT SHEET

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

GFK: _____ : _____ : 1:PX:X:X:X

Element Series On-Grid

Product name example - GFK:05:208:1:PX:X:X:X

Product	:	Pole Version	:	Line Voltage	:	Panel Option	:	Control & Monitoring	:
GFK	Element Series On-Grid	04	Black, 15' Ht, 10" Dia., Aluminum pole	120	120 Volt	1	240 W Flat Panel	PX	Photocell control
		05	Black, 30' Ht, 10-7" Dia., Aluminum pole	208	208 Volt Power Supply				
		06	Black, 25' Ht, 10-7" Dia., Aluminum Pole	240	240 Volt Power Supply				
				277	277 Volt Power Supply				
				480	480 Volt Power Supply				



STRAIGHT ARM CUT SHEET

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

SA:18:____:BK:X

Straight Arms

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

Arm Type	:	Length	:	Heads	:	Color	:
Arm Type	Straight Arm	18	18 inches	S	Single	BK	Black
				D	Dual		

MAST ARM CUT SHEET

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

MA:04:____: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				