INVID-ISSS180W8POE: Supports 180W
INVID-ISSS360W8POE: Supports 360W

The INVID-ISSS180W8POE & INVID-ISSS360W8POE are self-contained solar power system delivering reliable, weath-erproof energy to surveillance equipment in any location — no grid connection required.

Solar Power System

- Single or Dual 180W monocrystalline solar panels (Dual for 360W total) with adjustable tilt angles — 15°, 25°, 35°, or manual — to optimize sun exposure at any site
- Estimated 780W single (1,560W Dual) daily generation in high-sun markets (LA); 570W single (1,140W Dual) in lower-sun markets (New York)

Battery System

- Dual LFP (lithium iron phosphate) batteries — 2.56 kWh total capacity for superior safety, thermal stability, and long cycle life
- 2,000+ charge cycles at 100% depth of discharge
- Runs a 20W device for up to 9.2 days without any sunlight
- IP67-rated battery enclosure — fully weatherproof

Smart Power Management

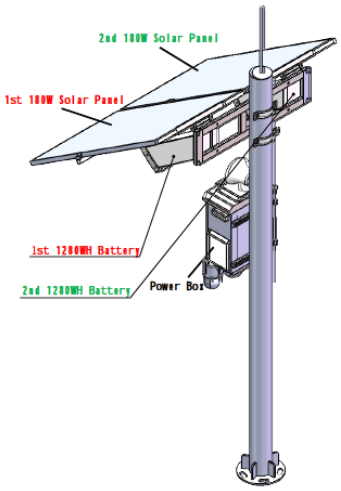
- Built-in 20A MPPT charge controller at 96–98% efficiency
- BMS with RS-485 port for remote monitoring — check battery health without site visits
- Intelligent heater control for cold-weather operation — discharges down to -4°F (-20°C)

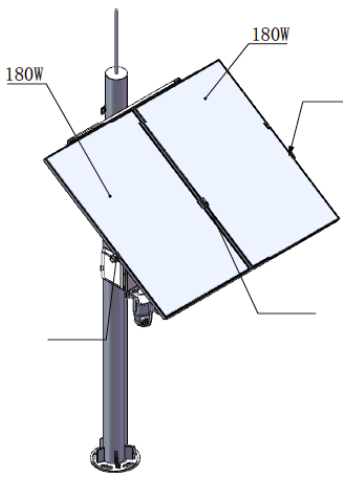
Distribution Box / Integration

- Outputs DC 12V / 24V / 48V — compatible with a wide range of cameras, PTZs, and IP speakers
- Optional AC 90–264V input for grid backup or supplemental power
- Alarm input triggers built-in strobe light — supports active deterrence configurations

Model	INVID-ISSS180W8POE	INVID-ISSS360W8POE
Solar System		
Solar Panel	Mono-crystalline silicon	
Rate Power	180W	180W x 2
Open Circuit Voltage (VOC)	40.8V	
Efficiency	18.4%	
Angle	15°, 25°, 35°, Manual Adjustment	
Dimension	50.8 x 30 x 1.2 in /each (1290*760*30mm/each)	
Battery System		
Type	LFP	
Capacity	DC25.6V 50Ah x 2pc, 2.56kW·h	
Power output	DC24V, 10A	
Estimated Daily Power Generation *	780W with sunlight, 100W without sunlight (take Los Angeles for example)	1560W with sunlight, 200W without sunlight (take Los Angeles for example)
	570W with sunlight, 73W without sunlight (take New York for example)	1140W with sunlight, 146W without sunlight (take New York for example)
Estimated Hours of Continuous Work Without Sunlight *	9.2 days (take device power consumption at 10w for example)	9.2 days (take device power consumption at 20w for example)
	7.7 days (take device power consumption at 10w for example)	7.7 days (take device power consumption at 20w for example)
Estimated Fully Charged Time in Sunlight Under Load *	2.4 days (take Los Angeles & device power consumption at 10w for example)	2.4 days (take Los Angeles & device power consumption at 20w for example)
	4 days (take New York & device power consumption at 10w for example)	4 days (take New York & device power consumption at 20w for example)
BMS	Yes, support RS485 for remote monitoring. Battery Level (SOC) and Discharging/Charging Amps (CUR) are displayed on IPCs live view. When CUR is negative, its discharging the battery. When positive value, the battery is charging.	
Built-in MPPT	20A, Efficiency at 96-98%	
Heater	Intelligent Control	
IP Level	IP67	
Life	Cycle 2000 at 100% DOD, 77°F (25°C)	
Ambient Temperature	Charging: 32°F ~ 131°F (0°C ~ 55°C) Discharging: -4°F ~ 131°F (-20°C ~ 55°C)	
Mounting Bracket	Pole, Wall (optional)	
Dimension	15.7 x 31.5 x 11.8 in /each (400*800*300mm/each)	

***These are examples only. Final configurations depend on the components installed in the solar unit and the total system wattage.**





Ordering Information

INVID-ISSS180W8POE: 180W Solar Power System
INVID-ISSS360W8POE: 360W Solar Power System