



INVID-ISSS180W8POE: The INVID-ISSS180W8POE is a self-contained solar power system delivering reliable, weatherproof energy to surveillance equipment in any location — no grid connection required.
(Supports 180W can expand to 360W)

Solar Power System

- Single 180W monocrystalline solar panels (Dual for 360W total) with adjustable tilt angles — 15°, 25°, 35°, or manual — to optimize sun exposure at any site

Battery System

- Single LFP (lithium iron phosphate) batteries — 1.28 kWh total capacity for superior safety, thermal stability, and long cycle life
- 2,000+ charge cycles at 100% depth of discharge
- IP67-rated battery enclosure — fully weatherproof

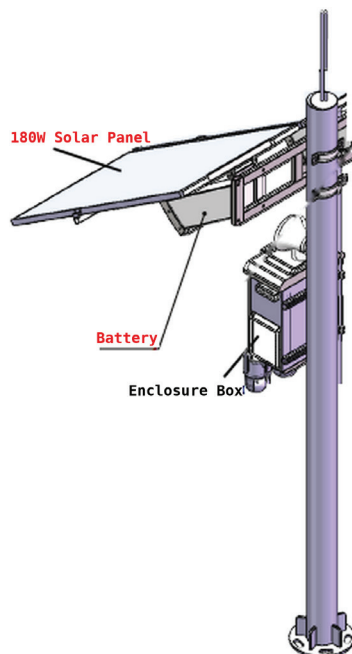
Smart Power Management

- 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)

Battery Overlay Display box will work with Paramont and Vision IPCs Only

Distribution Box / Integration

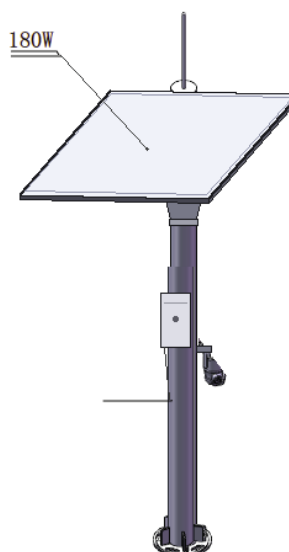
- Outputs DC 12V / 24V / 48V — compatible with a wide range of cameras, PTZs, and IP speakers
- Alarm input triggers built-in strobe light — supports active deterrence configurations



180W	1.28 kWh LFP	20A	IP67	DC12/24/48V	Pole/Wall
Solar Panel	Battery	MPPT	IP Rating	Output	Mounting

Model	INVID-ISSS180W8POE
Solar Panel	
Solar Panel	Mono-crystalline silicon
Rate Power	180W x 1
Open Circuit Voltage (VOC)	DC 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	
Battery Type	LFP (Lithium Iron Phosphate)
Capacity	DC 25.6V, 50Ah × 1pc — 1.28 kWh
Power Output	DC 24V, 10A
Estimated Daily Generation LA/NY*	780W with sunlight, 100W without sunlight/ 570W with sunlight, 73W without sunlight
Estimated Continuous Work w/o Sunlight LA/NY*	9.2/7.7 days (at 10W device consumption)
Estimated Full Charge Time under Load LA/NY*	2.4/4 days (at 10W device consumption)
BMS	Yes, Support RS485 for Remote Monitoring. Or RJ45 port as optional
Built-in MPPT	20A, Efficiency 96-98%
Low-Temperature Heater	Yes
IP Rating	IP67
Cycle Life	2,000 cycles at 100% DOD, 25°C
Charging Temperature	32°F – 131°F (0°C – 55°C)
Discharging Temperature	-4°F ~ 131°F (-20°C ~ 55°C)
Mounting Bracket	Pole, Wall
Dimension	15.7 x 31.5 x 11.8 in /each (400*800*300mm/each)
Enclosure Box	
Power Input	Solar Battery
Power Output	DC12V/24V/48V
Alarm Input	Yes, to trigger the strobe light
Mounting Plate	Top, Bottom, Left & Right side (for IPC, PTZ, IP Speaker)
Built-in Strobe Light	Front Top, Left & Right side Top
Mounting Bracket	Pole, Wall
Dimension	21.5 x 16.1 x 9.1 in (545*410*230mm)
Included Accessories	
POE Switch	Max 240W. Port 1: HiPoE 60W; Ports 2-8: PoE+ 30W

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



Ordering Information

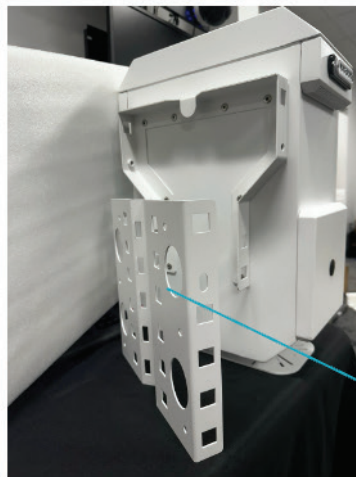
INVID-ISSS180W8POE: 180W Solar Power System

InVid Tech, reserves the right to make changes to improve our products at any time without notice; we are not responsible for misprints.

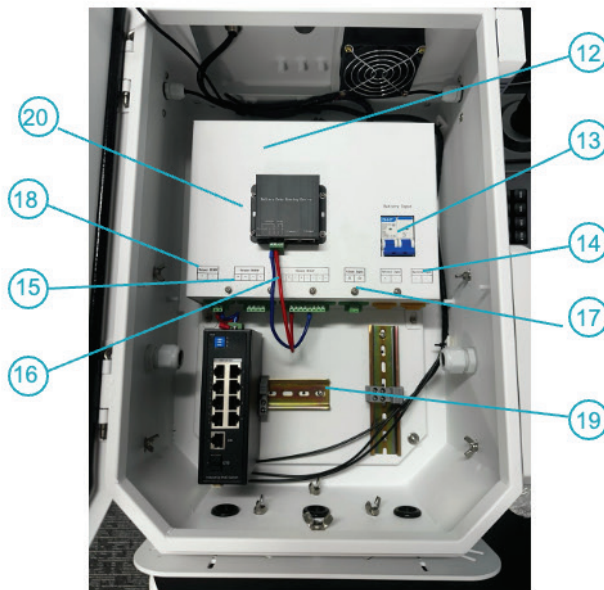
See Page 2 for Product Structure Diagram



- 1 Solar Panel
- 2 4G Router Antenna (Puck Style)
- 3 Speaker Installation Holes
- 4 Side Strobe Light x2 (Left/Right Sides)
- 5 Front Strobe Light
- 6 Side Camera Installation Plate x2 (Left/Right Sides)
- 7 Bottom Camera Installation Plate x2



- 8 Battery Bracket (Two Sizes: 89-140mm & 140-250mm)
- 9 Battery x1
- 10 Enclosure Box
- 11 Enclosure Box Bracket



- 12 Electrical System box
- 13 Breaker for Battery Input
- 14 Solar Battery 1 + 2 Inputs (On 180W Models 2nd Input is to expand to 360W)
- 15 DC24V Output
- 16 DC12V output
- 17 Alarm Input
- 18 48V Output (Switch Power)
- 19 Installation board for Din Rail, POE Switch
- 20 Battery Overlay Box

Ordering Information

INVID-ISSS180W8POE: 180W Solar Power System

InVid Tech, reserves the right to make changes to improve our products at any time without notice; we are not responsible for misprints.