

IO-Power IOP-DAPI-24242A-1

Outdoor Input 24VDC to 24VAC Power Inverter

(Special Design for Speed Dome 24VAC Power Solution)



IO-Power IOP-DAPI-24242A-1 is a specially designed outdoor DC to AC Inverter for 24VAC Speed Dome, adopting 24VDC input power, which is different from the usual adapter—input power 100~240VAC, output power 24VAC. It helps the system integrate (SI) easily collocate with 24VDC power source from the Outdoor DC UPS power system and 24VDC power source from the adapter (over 3A). It decreases the power transmission loss from DC to AC, then another power transmission loss from 110VAC~240VAC to 24VAC (about 15%~30% loss of electricity). Therefore, IOP-DAPI-24242A-1 is especially suitable for green energy power system, such as solar power system and winder power system. The electricity loss it saves makes 30% of cost benefit for the whole power system.

DC to AC Inverter is adopted industrial level of Iron metal thermal protection shell and waterproof dust reached IP67 of mechanism design and the Waterproof and heat-resistant beam head to handle the outside tough temperature at $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$ to maintain the outdoor system normally working during day and night.

IO-Power IOP-DAPI-24242A-1 adopts 24VDC input power of high current. The


IOP-DAPI-12242A-1: Input 12Vdc/ 6A~
IOP-DAPI-24242A-1: Input 24Vdc/ 3A~



maximum output power can reach 60W, enough for the normal Speed Dome which consumes 8~12W/H, and for the long-distance infrared rays Speed Dome, which consumes 18~24W/H. The 24VAC voltage and 2.5A current can manage the transient current of Speed Dome which reaches 1.5~2A to reach the requirements of the Inverter of “Special Design for Speed Dome Power Solution”.

Adopting 24VDC input power can collocate with not only 24VDC power source from Outdoor DC UPS power systems, but also 24VDC power source from normal adapters (over 3A). Therefore, the applications are for 24VAC outdoor surveillance system, 24VAC outdoor emergency rescuing system, 24VAC mobile power supply system, 24VAC outdoor surveillance recording system, 24VAC outdoor public sign and indication system, 24VAC outdoor financial security system, 24VAC elevator security monitoring system, 24VAC fire security system, 24VAC expressway charges trading surveillance system, etc.

IOP-DAPI-24242A-1 Specification

Model Number	IOP-DAPI-24242A-1
<p>Outdoor 24VDC to 24VAC Iron Airtight Housing IP 67</p>	
<p>Input DC Voltage</p>	<p>24VDC (22VDC~28VDC Max) **Before using, please confirm that the upper cover is marked with input 12Vdc / 6A~ or 24Vdc / 3A~ voltage mode, please follow the instructions input voltage power supply.</p>
<p>Input DC Current</p>	<p>24VDC 3A~</p>
<p>Output AC Voltage</p>	<p>24VAC (22VAC~28.5VAC Max)</p>
<p>Output AC Current</p>	<p>2.5A Max</p>
<p>Output Power Frequency</p>	<p>47-63 Hz</p>
<p>Output Power Consume Watts</p>	<p>60W Max</p>



Input Connector	DC Female Jack Pin OD: 2.0mm
Output Connector	DC Female Jack Pin OD: 2.0mm
Transform Efficiency	85%~
Protection	Input power overcurrent protection Low input voltage protection High input voltage protection Output power overcurrent protection Short circuit protection Imported power polarity protection for anti-welding Power surge protection
Industrial Housing & Connector	Iron Airtight Housing IP 67 Gland Connector ** Top cover marked 12VDC / 6A ~ and 24VDC / 3A ~ of the shipping product input voltage mark distinction
Connector Type	Input DC Power: 22~28VDC 3A~ , DC Female Jack Pin OD: 2.0mm Output AC Power: 22VAC~28.5VAC 2.5Max, DC Female Jack Pin OD: 2.0mm
Operating Temperature	-30°C ~ +60°C (Use at -30°C environment, please be sure to inform in advance, related accessories and wires should be replaced; Recommends that the equipment will be installed in the power distribution box)
Storage Temperature	-40°C ~ +70°C
Rel. Humidity	10~95%RH
Dimension	210mm(L) x 92mm(W) x 50mm(H)



Weight	0.5Kg
Housing	IP67
Installation	1.Street lamp pole mount or Upright pole mount 2.Wall mount installation
Warranty	12 months

Remark 1: Product specifications change, without notice, consultation with agent or dealer before buying the latest specifications

Remark 2: Before using, please confirm that the upper cover is marked with input 12Vdc / 6A ~ or 24Vdc / 3A ~ voltage mode, please follow the instructions input voltage power supply.