

IO-Power IOP-DAPS-I3O18A-1

Outdoor Auto Power Selector: 12~24VDC

Multiple Import Power Source by Parallel Protect to Charging DC UPS Power System

IOP-DAPS-I3O18A-1 is designed integration of multiple power sources to charging Solar DC UPS or Outdoor DC UPS power systems, it is work as power supply charging solution importer, we call as Auto Power Selector (APS).

The APS with three independent import DC power supply connecting point pattern, it can meet a variety of choice and integration of electricity, it can avoid a single power source is interrupted and loss of charging capacity in time and it support with multiple parallel redundant power solutions.

For example: 1th source: Convert AC power into DC power to import, the 2nd source: solar power by DC power to import, and the 3rd source: wind power by DC power to import, when the AC to DC mains input power source failure, as well as Solar and Wind Power will commitment to charge outdoor DC UPS power system.

IOP-DAPS-I3O18A-1 Auto Power Selector with expansion of the cascade system working capacity, so you can connect two Auto Power Selectors, import mode is achieved with five





different power sources, it will be almost near 100% non-stop to power supply for system, particularly suited to the following system requirements:

1. Can't stop the operation of the power system
2. Can't stop the surveillance video record systems
3. Can't stop detection record operating system
4. Can't stop data transmission systems
5. Other special requirements systems

When you use Auto Power Selector for your Solar Power System, you will have several characteristics:

A. increase the charging current: especially in case of rainy days, Auto Power Selector can increase the charging current can be up to 1.8-2.6 times and the output power can be fed directly to the load equipment, and even extra power battery charging, thus greatly reducing the load on the battery power consumption.

B. stabilizes the charging current: weaker sunshine intensity in the winter case, Auto Power Selector can obtain a constant charging current and reached in winter power generation more efficient.

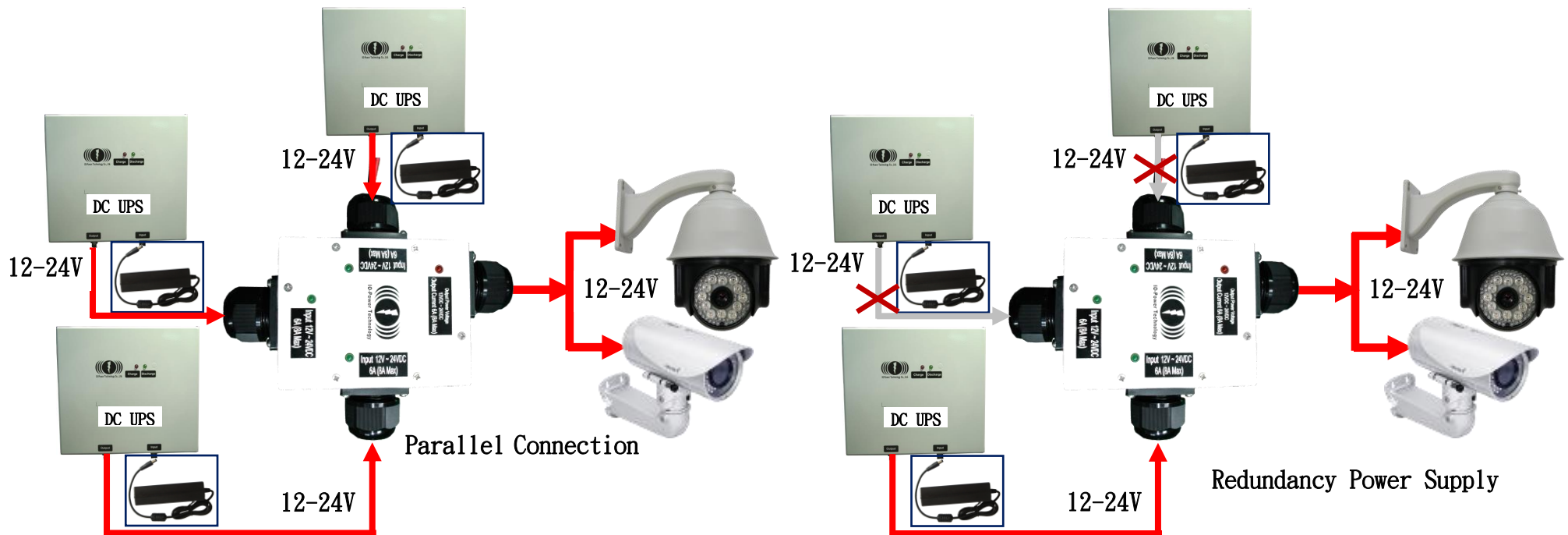
C. dispersed an average charging current: in the summer sunshine intensity strong cases, Auto Power Selector can obtain the average dispersion effect of charging current, reaches a charging circuit for system security and stability of charging effect.

IOP-DAPS-I3O18A-1 Auto Power Selector operates according to the voltage and the power supply stability and automatically detects the power factor, while importing power is automatically selected. Therefore, different sources of electricity to enter automatically selects the best power source, became the first major power objects, other source of

electricity still share parts supply; when the main power source is weak or stops power, other sources of electricity are automatically responsible for the power supply's main role.

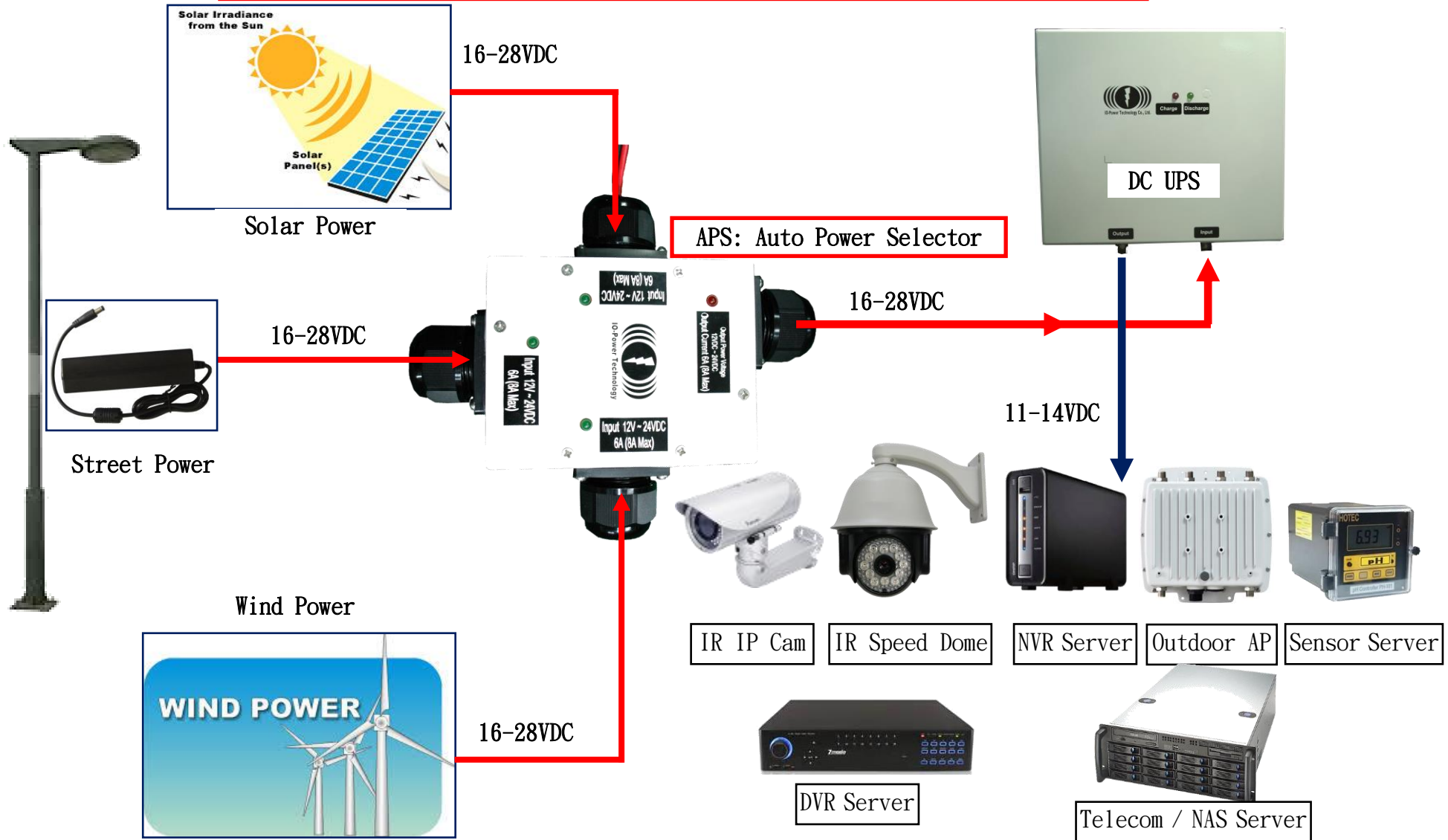
IOP-DAPS-I3O18A-1 Auto Power Selector, design input current maximum sustainable 8A @ 12~24VDC, 8A @ 24VDC maximum output current of electronic circuitry, with input and output voltage and current protection of power supply system and design separate short-circuit and reverse polarity protection and lightning surge impact protection (30V 1500W), meet a variety of safety requirements for power imports.

Enhanced Crashworthiness metal case with IP67 water and dust proof design and affordable product temperature design -40 ~ +70°C , even if they are placed in the sunshine hot car environment remains normal and stable work.

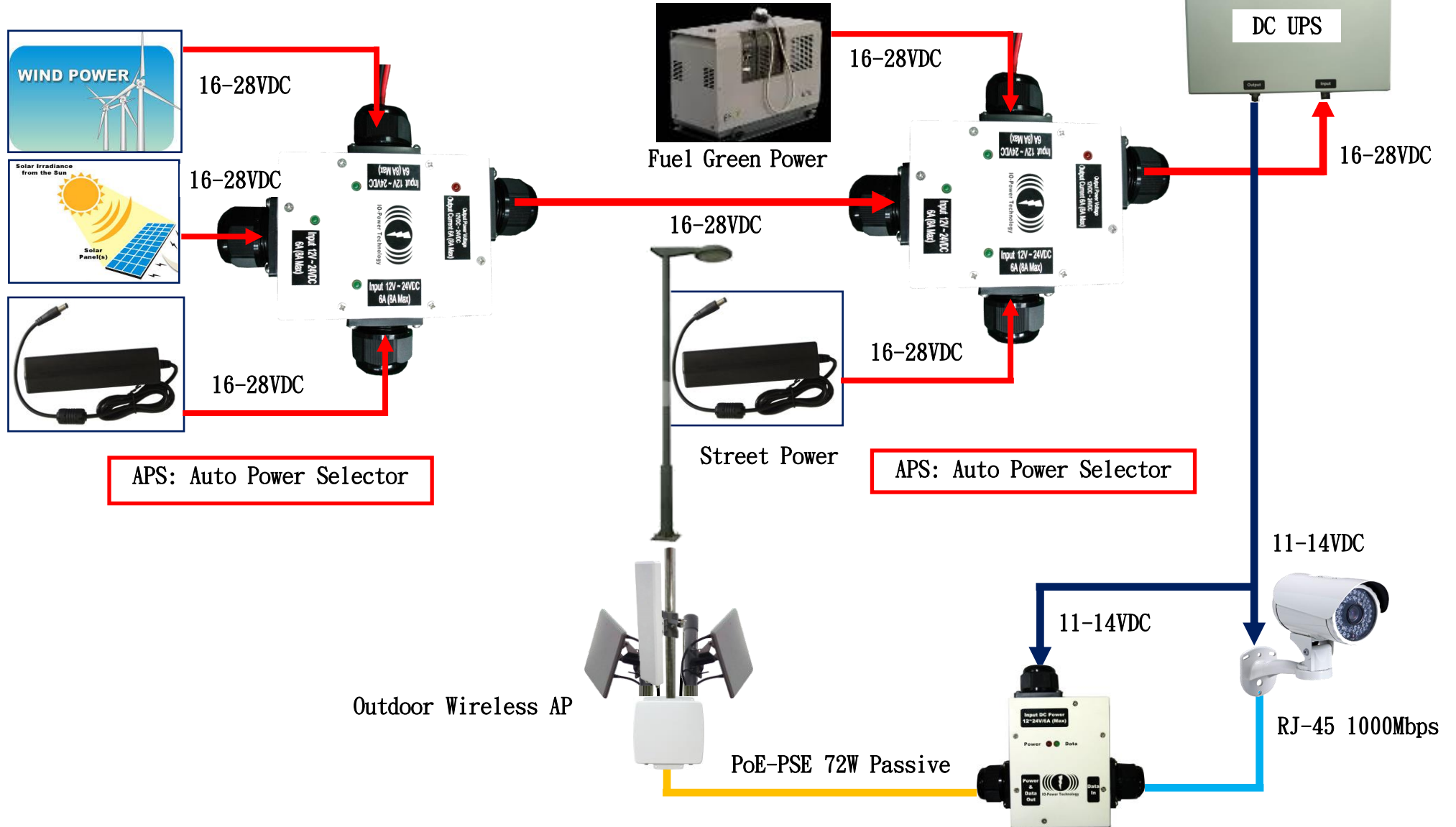


APS system applications


Support with Multiple Parallel Redundant Power Solutions



APS system applications by Two APS Series Connection
Support with Multiple Parallel Redundant Power Solutions



IOP-DAPS-I3O18A-1 Specification

Model	IOP-DAPS-I3O18A-1
<p>Auto Power Selector:12~24VDC (12~24VDC APS)</p> <p>Iron Airtight Housing IP 67</p>	
Input DC Voltage	12~24VDC (28V Max)
Input DC Current	6A~ Above
Output DC Voltage	12~24VDC (28V Max)
Output DC Current	6A (8A Max)
Output Power Consume Watts	72W ~ 144W
Input DC Power Connector	DC Female Jack Connector * 3 ; Pin OD: 2.0mm,& Support 8A Max
Output DC Power Connector	DC Female Jack Connector * 1 ; Pin OD: 2.0mm,& Support 8A Max
Transform Efficiency	95%~



Power mode of operation	By Parallel mode power supply Support threaded expanding number of input power
Power supply selection	Maximum voltage is automatically selected as the primary power Other voltage electric-assisted power Hosted automatic backup power switch Automatic current distribution to take power Support with multiple parallel redundant power solutions
Protection	Input power overcurrent protection Input power supply over high voltage protection Short circuit protection Imported power polarity protection for anti-welding Surge protect for each port (30V 1500W)
Industrial Housing & Connector	Iron Airtight Housing IP 67 Gland Connector
Connector Type	Input DC Power Source: 12~24VDC 6A (8A Max) , DC Female Jack Connector * 3 ; Pin OD: 2.0mm Output DC Power Source: 12~24VDC 6A (8A Max) , DC Female Jack Connector * 1 ; Pin OD: 2.0mm
LED Display	Input DC Power Source: 3 Green Color LEDs Output DC Power Port: 1 Red Color LED
Operating Temperature	-40°C ~ +70°C (Use or storage at -40°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 (Use or storage at -40°C environment, please be sure to inform in advance, related accessories and wires should be replaced)
Rel. Humidity	10~95%RH
Dimension	185mm(L) x 165mm(W) x 45mm(H)
Weight	0.6Kg
Housing Waterproof	IP67
Approvals	CE FCC in progress
Installation	1.Street lamp pole mount or Upright pole mount 2.Wall mount installation
Warranty	12 months

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