



IO-Power USSP-12V0206-II Series

Indoor / Outdoor Long-term Model



Online Type Stability Voltage Uninterruptible Power System

IO-Power USSP-12V0206-II series can makes for Indoor / Outdoor environment of online type stability voltage uninterruptible power system, due to should Indoor / Outdoor not interrupt operation of system, provides online type uninterruptible operation power, auxiliary to stability voltage and the anti-bursting wave design, reached system operation does not interrupt and the stability security of power provides; industrial level of metal protection shell and waterproof dust reached IP66 of mechanism design, and import latest technology of resistance high and low temperature C-LiFePO4 lithium battery and unique charging and discharging battery management control and the static zero power consume patented technology, achieve Indoor / Outdoor wall of new application of long-term safety power stability voltage uninterruptible power systems.

IO-Power USSP-12V0206-II series take online type long-term constantly electric of power supply system design, special for demand strict operation in the system of not interrupt using, for examples -- emergency rescue system, mobile power supply system, Indoor / Outdoor surveillance system, public regional indicates signs system, charges trading records system, financial institutions security protection system, elevator security video monitoring system, fire security



system, precious articles or products monitoring system, 24 hours road records device cameras system, and even is home fish tank pumped up and the circulatory system...and so on, those applications are very suitable to use USSP-12V0206-II series.

IO-Power USSP-12V0206-II series online type stability voltage uninterruptible power system of the system components including:

1. Input AC power port: AC 100-240V AC input, converted to 18V/1.5A~3A by AC-DC transformer, that operation of the system power source.
2. Microprocessor modules: microprocessor for detecting input power management, battery management, battery management power control, output voltage management, system operations control detection and protection management, perform the dimensional transport co-ordination and control of the overall system management.
3. The charging and discharging control module: charge balanced voltage detection and management for battery and battery management control, CCP/CVP charge of unique patented technology, complemented by patent protection mechanism of static power consumption of zero discharge, battery low voltage protection and rapid recovery of operation, provide the best protection and the efficient operation of the mechanism.
4. The DC power output port: DC power supply discharge detection through microprocessor control and protection, for load device power requirement, corresponds to taking the appropriate current power supply, minimum 0.5A to maximum 3A DC current supply control.






5. Special strengthening of protection measures: for seasons environment of high and low temperature changes, maybe produce serious effect on battery of cycle life and using efficiency, even produced using device of security problem, therefore for USSP-12V0206-II Indoor / Outdoor type products series, special design industrial level airtight metal shell and waterproof dust reached IP66 of mechanism design and the resistance high and low temperature waterproof connector accessories, to avoid Indoor / Outdoor environment using device of security problem occurs.

6. Resistance high and low temperature long-effect C-LiFePO₄ lithium battery: due to should Indoor / Outdoor operation in the system of not interrupt and more long-term using demand, traditional general of Indoor / Outdoor concentrated type uninterruptible power system, is obvious to cannot provides should have of service; USSP-12V0206-II series distributed architecture design power systems, high charge and discharge times and through the new C-LiFePO₄ lithium battery and battery cycle life to provide more than traditional generally features. The USSP-12V0206-II power supply capacity compare traditional uninterruptible power supply more than 2 times and 5 times power system operation time and 7 times battery cycle life, fully rendered excellent characteristic of Indoor / Outdoor long-term power and stabilizing system.



IOP-USSP-12V0206-II Series Specification (* Patent Pending)

Model	IOP-USSP-1202-01A	IOP-USSP-1204-02A	IOP-USSP-1206-03A
Indoor / Outdoor Model DC Jack Iron Airtight Housing IP 66			
Power Capacity	29WH (2.3Ah@12.8V)	55WH (4.3Ah@12.8V)	74WH (5.8Ah@12.8V)
AC to DC Adapter Input AC Voltage Output DC Voltage	100-240V/1.5A 50/60Hz 18V/3A Max		
DC to DC for Device	DC 11.5 ~ 14.4V +-3% 3A Max		
DC to DC for Battery	14.4V +-3% 1.5 ~ 2.4A Max		
Transform Efficiency	90%~		
Protection	On Line Working System Non Stop Standby Consume Protection* Standby Consume Protection* Balance Voltage Function*		



	Overload Protection Overcharge Protection Over discharge Protection Over current Protection Short circuit Protection		
Support Battery Type	C-LiFePO4 Lithium Batteries		
Battery Capacity	2.3Ah @ 12.8V (29WH)	4.3Ah @ 12.8V (55WH)	5.8Ah @ 12.8V (74WH)
Battery Charge Mode	CCP/CVP MCU Control		
Battery Charge Voltage	14.4V +- 3%		
Battery Charge Float Voltage	13.6V +- 3%		
Battery Cut-off Discharge Voltage	11.5V +- 3%		
Battery recovery discharge voltage	12.4V +- 3%		
Standard Charge Current	1.5A		
Standard Discharge Current	2A		
Max. Discharge Current	3A		
Charging Time @95% Capacity	Non discharge 4hrs On line discharging 6hrs	Non discharge 6hrs On line discharging 8hrs	Non discharge 8hrs On line discharging 10hrs



Battery Cycle Life (80% Capacity) 0.2C Charging 0.5C Discharge	@ 25°C 2000 Times @ 45°C 1600 Times @ 50°C 1200 Times @60°C 550 Times @60°C 720 Times 70%		
Industrial Housing & Connector	Iron Airtight Housing IP 67 Gland Connector		
Connector Type	1.Input: 100~240V Adapter AC Plug & DC Jack 2.Output: 12V/DC Jack Female		
Operating Temperature (Discharge)	-20°C ~ 60°C 20~40°C Battery Capacity:100% -10°C Battery Capacity : 60% -20°C Battery Capacity : 48%		
Charging Temperature	-30°C ~ 60°C		
Storage Temperature	-20°C ~ 40°C		
Rel. Humidity	10~95%RH		
Storage Time	6 months (Please every three months charging one times) (Before the Use, please First Charge)		
Dimension	125mm(L)x109mm(W)x150mm(H)	125mm(L)x109mm(W)x150mm(H)	125mm(L)x109mm(W)x150mm(H)
Weight	1.2Kg (Box 2Kg) (4Pcs/Carton)	1.4Kg (Box 2.2Kg) (4Pcs/Carton)	1.6Kg (Box 2.4Kg) (4Pcs/Carton)
LED Indicator	1. Input AC power LED-red full light (Battery capacity more than 95%)		



	2. Input AC power LED-red flash light (Battery is charging) 3. Battery is charging, Insert the 12V device load, LED-green flash light 4. Battery non charging, Insert the 12V device load, LED-green full light		
Housing	IP66		
Approvals	. CE,FCC		
Installation	1.Street lamp pole mount 2.Upright pole mount 3.Wall mount installation 4.DIN Rail (Optional)		
Warranty	12 months		
Carton Size	490*340*155mm	490*340*155mm	490*340*155mm

Ps 1: Battery Capacity +-5%

Ps 2: Product specifications change, without notice, consultation with agent or dealer before buying the latest specifications