



ON-LINE UPS 1Phase Out



ISOLATION  
TRANSFORMER  
advantage of  
NOISE REACTION

## DS Series

5 - 10KVA

1:1 phase



Control Panel

**Application:** Bank, FM Station, Tv Station, Cinema Hall, Medical Equipment, Industries



## Features:

### ■ High reliability design

Triple Conversion on-line design, which makes the output a pure sine wave source with tracking frequency, phase-lock and voltage regulation, low distortion and without power fluctuation interference, providing the load with more comprehensive protection.

### ■ Strong protection for load

Built-in isolation transformer, strong anti-interference ability, provides more comprehensive protection.

### ■ Wide input range

Wide input voltage range up to :165~275Vac, avoid frequently switching to battery mode, which adapts to the areas with harsh environment.

Wide input frequency range, ensure all types of generators compatible.

### ■ Optimization of high-performance battery

Advanced floating switching and charging technology maximise the activation of the battery, thus saving the charging time and extending the battery life.

### ■ Battery cold start function

The UPS can start directly by battery group when no utility power.

### ■ Comprehensive and reliable protection

Self-diagnosis function before start-up, avoid the risks that failure may lead to.

### ■ Conversion Type

Triple Conversion Special design UPS  
AC-DC, DC-DC, DC-AC

The multi-protections such as overload, short-circuit, over-temperature, battery under voltage, battery over-charge and so on greatly ensure the system stability and reliability.

Built-in static electronic bypass switch, when UPS fails, it can transfer to bypass mode and continue to provide power for load by AC.

DC start function. The UPS can be started directly without AC power.

- Adoption of IGBT Inverter, saves energy & coupled with an isolation transformer, enhances the reliability and load adaptability.

■ **User-friendly network management**

Communication with computer can be realized by RS232 with corresponding monitoring software. The various parameters can be shown on the communication interface.

External SNMP adapter. The UPS with remote network management capability can provide real-time data for communication and management through a variety of network management systems.



- 1. RS232 port
- 2. FAN
- 3. Input breaker
- 4. Connection box
- 5. Entrance hole
- 6. Active wheel

Rear Panel

**Technical Specifications**

MODEL	DS1105L16	DS1105B16	DS1106L16	DS1106B16	DS1108L16	DS1108B16	DS1110L16
Capacity (KVA)	5K		6K		8K		10K
<b>INPUT</b>							
Rated input voltage	220/300Vac						
Operating voltage range	165 ~ 275 Vac						
Operating frequency range	50/60 Hz (±5%)						
<b>OUTPUT</b>							
Rated output voltage	220Vac±1% / 230Vac±1%						
Output frequency	50/60Hz±0.5%						
Power Factor	0.8 / 0.9 (Optional)						
Crest factor	3 : 1 (max)						
Max. efficiency	>94%						
THD	2% (Linear load)						
Overload	125% : 5min, 150% : 200ms						
<b>BATTERY</b>							
Battery voltage / Ch Current	6 Amp Std./ (12 Amp optional)			192Vdc			
Battery Configuration	7.5AH/12Vx16Nos		7.5AH/12Vx16Nos		7.5AH/12Vx16Nos		7.5AH/12Vx16Nos
<b>SYSTEM FEATURES</b>							
Transfer Time	0 ms ( AC mode → Battery mode)						
Communication interface	RS232, SNMP, Dry contact (optional)						
<b>ENVIRONMENTAL</b>							
Operating temperature	0 ~ 40°C						
Humidity range	0 ~ 95% (non condensing)						
Noise level	<45dB (1m from surface)						
<b>PHYSICAL</b>							
Dimension WxDxH (mm)	230x580x750						305x585x864
Net Weight (kg)	34 Kg	57 Kg	35 Kg	57 Kg	63 Kg	92	
<b>STANDARDS</b>							
Safety	IEC/EN62040-1; IEC/EN60950-1						
EMC	IEC/EN62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-6; IEC61000-4-8						

Specifications are subject to change without prior notice.

**Sole Distributor :**



**S-Power Science & Technology Co. Ltd**  
 - Address: Via 9 Marzo, 3 52020 Arezzo ITALY  
 - Email: info@spowerstech.com  
 - Website: www.spowerstech.com (English)

**Dealer :**

