Online UPS 1Phase Out

DS II Series

10~40kVA

3:1 phase

Control Panel

Features:

- **High reliability design**

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

  Zero transfer time of output, satisfies high standard power requirements of precision equipment.

  Modular design and dual-CPU control, high reliability and stability ensure the safe operation and high efficiency.

- **High reliability during operation**

  Pure online static bypass technology, provides a strong protection against overload and fault.

  Built-in manual maintenance bypass, further improves the reliability of continuous operation.

- **Wide input range**

  The range of AC input voltage is 380V±20%,

  thereby it reduces the battery using frequency and greatly extending the battery life.

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

- **Optimization of high-performance battery**

  Adapt intelligent battery management (ABM) technology, thus it extends battery life and reduces battery maintenance times.

  Advanced CC (constant current) / CV (constant voltage) auto-conversion charging technology maximizes the activation of cells, thus it saves the charging time and extending the battery life.

- **Comprehensive and reliable protection**

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

  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.

- **Strong Redundancy/parallel ability**

  Same units can be directly connected in parallel, increasing the scalability of the system.

  The parallel system can share a group of backup battery.

  Non-fixed Master-Slave relationship: Among several UPS in parallel, the unit startup first is Master UPS, the others are Slave UPS. The master and slave can be exchanged. If the inverter of one UPS fails, the UPS will automatically cut off the output, then the load will be powered by remained UPS.

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

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

■ **User-friendly network management**

LCD accurately displays the status of operation and data for users.

Communication with computer can be realized by RS232 with the 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.

Technical Specifications

MODEL	DSII3110L16	DSII3115L16	DSII3120L16	DSII3125L20	DSII3130L20	DSII3140L20
Capacity (KVA)	10	15	20	25	30	40
Technology	3:1 phase, online double conversion					
INPUT						
Voltage range/Power factor	380Vac±20% ("3Ph+N+PE") / 0.97					
Operating frequency range	50/60 Hz (±5%)					
OUTPUT						
Voltage range	220 Vac±1%					
Frequency range	50/60Hz (±1%)					
Power Factor	0.7 Std. / (0.8, 0.9 Optional)					
Crest factor	3 : 1 (max)					
Max. efficiency	91%					
THD	< 2% (Linear load)					
Overload	110 ~125% 60s, 150%/200ms later, transfer to bypass, restore after unloading					
BATTERY						
Battery voltage	192Vdc				240Vdc	
SYSTEM FEATURES						
Transfer time	0 ms (Line mode → battery mode)					
LED Display	Utility status, inverter, bypass, battery status, UPS abnormal, overload					
LCD Display	I/O voltage, frequency, battery voltage, load, internal temperature					
Communication interface	Dry contact /RS232 /Intelligent Monitoring Software / SNMP (O)					
ENVIRONMENTAL						
Operating temperature	0 ~ 40°C					
Storage temperature	-25°C ~ 55°C					
Humidity range	0 ~ 95% (non condensing)					
Noise level	< 58dB (1m from surface)					
PHYSICAL						
Dimension W×D×H (mm)	310x590x870	409x798x1044		409x798x1044	555x741x1200	555x741x1200
Net Weight (kg)	115	125	200	236	290	315
STANDARDS						
Safety	IEC/EN62040-1; IEC/EN60950-1					