

DS II Series

10 ~ 40KVA

3:1 Phase



Features:

- **High reliability design**

Double conversion Online 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.

- **High reliability during operation**

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

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

- **Strong protection for load**

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

- **Wide input range**

The range of AC input voltage is $380V \pm 20\%$, thereby it reduces the battery using frequency and greatly extending the battery life.

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

- **Comprehensive and reliable protection**

Self-diagnostic 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.

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

- **Adoption of IGBT**

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

- **Strong redundancy/parallel ability (DSII Series)**

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

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 fail, the UPS will automatically cut off the output, then the load will be powered by remained UPS.

- **User friendly network management**

Communication with computer can be realized by RS-232 with corresponding monitoring software.

The various parameters can be shown on the communication interface.

- **External SNMP adapter (Optional)**

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

- **Fully coating PCBAs to withstand harsh environment**

The outside cabinet is designed only with locks without any screws and all PCBAs are coated for anti-moisture, anti-electric leakage, anti-dust and anti-corrosion. Its robust design is suitable for harsh environment with high temperature, high humidity, dense dust, salt, or fierce vibration.



▶ Technical Specifications of DS II Series 10~40KVA

MODEL	DSII3110L16	DSII3115L16	DSII3120L16	DSII3125L16	DSII3130L16	DS3120L30	DSII3120L30	DSII3130L30	DSII3140L30	
Capacity (KVA)	10	15	20	25	30	20		30	40	
INPUT										
Voltage Range	380V / 400V / 415V AC \pm 20% (3Ph+N+PE)									
Frequency Range	50 Hz / 60 Hz \pm 10% (Auto Sensing)									
OUTPUT										
Voltage Range	220V / 230V / 240V AC (\pm 1%)									
Frequency Range	Auto Sensing 50 / 60 Hz \pm 1~10% Sync Mode (Configurable), 50/60 Hz \pm 0.1 Hz Battery Mode									
Power Factor	0.8 Standard, (0.9 Optional)									
Crest Factor	3:1									
Efficiency	Up to 94% Dual Conversion Mode, 99% ECO Mode									
THDV	< 2% (linear Load)									
Overload	110% for 10 Min, 150% for 1 Min, 150% for 200 ms									
BATTERY										
Battery voltage	192V DC					360V DC				
Charging Current (Amp.)	12 Amp.					10 ~ 40 Amp.				
SYSTEM FEATURES										
Transfer Time	Zero									
Display	LED	Utility Status, Inverter, Bypass, Battery Status, UPS Abnormal, Overload and Fault								
	LCD	I/O Voltage, Frequency, Battery Voltage, Load, Temperature and fault								
Alarm / Protection	Short Circuit, Input Under/Over Voltage, Over Temperature, Over Current, Over Load, DC BUS Under / Over Voltage and Battery low									
Parallel Card (Optional)	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	
ENVIRONMENT										
Temperature	Operating: 0~45°C, Storage: -10°C ~ 55°C									
Humidity / Altitude	0~95% RH Non-condensing / <1500 M									
Noise	Low Audible Noise Level									
PHYSICAL										
Dimension WxDxH (mm)	310x590x870		400x815x1100			300x815x830	405x656x817		432x821x1159	
Net Weight (Kg)	115	125	201	230	277	150	145	193	278	
STANDARDS										
Quality	ISO 9000, ISO 14001, OHSAS 18001, ISO 27001, BIS, RoHS									
Safety	IEC/EN62040-1									
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE									
COMMUNICATION INTERFACE										
Standard	RS-232									
Optional	SNMP / ModBus / Dry Contact / USB / RS-485									
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000									

*Specifications are subject to change without prior notice.

