

ESSERIES

06 ~ 30KVA



ON LINE
OUTPUT: 231 V

► CONTROL PANEL

**ISOLATION
TRANSFORMER**
advantage of
NOISE REJECTION



Features

High reliability design

- Double Conversion on-line design, which make 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, 1 Phase "304~456VAC, 3 Phase frequently switching to battery mode, which adapt to the areas with harsh environment.
- Wide input frequency range, ensure all types of fuel generators connected work stable.

Optimization of high-performance battery

- Adapt intelligent battery management(ABM) technology, thus extending battery life and reducing battery maintenance times.
- Advanced floating switching and charging technology maximize the activation of the battery, thus saves the charging time and extends the battery life.

Battery cold start function

- The UPS can be start directly by battery group when no utility access in, which meets the emergent needs of user.
- Strong cold start ability, which can do the cold start operation when full load.

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.

Comprehensive and reliable protection

- Self-diagnosis function before start-up, avoid the risks that the failure may lead to.
- The multi-protection such as overload, short-circuit, over-temperature, battery under voltage, battery over-charge ensure the system stability and reliability.



► REAR PANEL

- RS232 port
- Input breaker
- FAN
- Connection Box
- Entrance Hole
- Active wheel

MODEL	ES06	ES10	ES10	ES20	ES25	ES30
Capacity (KVA / KW)	6 / 4.8	10 / 8	10 / 8	20 / 16	25 / 20	30 / 24
INPUT						
Operating voltage range	220Vac(±20%), (1Ph+N+PE)		380Vac(±20%), (3Ph+N+PE)			
Operating frequency range	50/60Hz (±5%)					
Power factor	>0.97 (with filter)					
OUTPUT						
Output voltage	220Vac(±0.5%) / 230Vac(±0.5%)					
Output frequency	50/60Hz(±0.5%)					
Crest factor	3:1 (max)					
Efficiency	> 92% online					
Harmonic distortion (THD)	<1.5% (Linear Load)					
Power Factor	0.8 (0.9 Optional)					
BATTERY						
Battery Voltage	192 VDC					240 VDC
Battery Types	SMF VRLA / TUBULAR					
SYSTEM FEATURES						
Transfer Time	0 ms (Line mode ↔ Battery mode)					
Overload	>125% : 1min, >150%: 200ms					
LED display	Battery low, Mains status, Inverter, Bypass, UPS failure, Overload					
LCD display	I/O voltage, frequency, Battery voltage, Load percentage, Internal temperature					
Communication interface	RS232, SNMP (optional), Dry contact (optional)					
ENVIRONMENTAL						
Operating temperature	0 ~ 40°C					
Storage temperature	-25°C ~ 55°C					
Humidity range	0 ~ 95% (non-condensing)					
Altitude	<1500m					
Noise level	<55dB					
PHYSICAL						
Dimension W x D x H (mm)	230x580 x720	305 x 585 x 864		409 x 798 x 1044		555 x 741 x 1200
Net weight (kg)	55	92	132	236	255	315
STANDARDS						
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.

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