

# Kohler EW 6000TX Transformer-based (UPS 10–600kVA)

**KOHLER** POWER  
uninterruptible

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Three-phase UPS for computer rooms, data centres, precision instruments, and industrial processes.

## Kohler EW 6000TX 10–200 kVA

PF = 0.9

Small footprint

High efficiency 92%

All series touchscreen design

Galvanic isolation transformer

Double-button switch prevents error

Transformer-based

### Reliable

The output isolation transformer provides high reliability to adapt to harsh industrial environments and protect critical loads

100% three-phase unbalance load adapts to complex applications

The dual air duct design provides effective cooling – protecting key components and extending service life

Dual power supply redundancy

The wide input voltage range provides high adaptability to the grid and extends the battery service life

The main PCB board with professional electromagnetic shielding improve reliable performance of EMC

### Intelligent management

Multiple communication interface supports UPS and load intelligent monitoring

Intelligent SNMP achieves local monitoring and remote monitor

Battery temperature compensation function extends battery service life

The battery self-test function and battery temperature compensation function improve battery performance and extend its life

Intelligent fan control according to load capacity reduces noise and prolongs fan service life

### Easy operation

10–30 kVA models have wheels for easy movement

HMI-friendly operation

On/off double-button design

EPO

10,000 history records reduce fault analysis and maintenance time

Power components in module design – more compact structure and easy for maintenance

Hot-swappable fan design achieves on-line maintenance

### Innovative upgrade

Dual DSP control technology makes the data processing faster and more precise, and improves reliability

High output PF = 0.9 meets with the high requirements of applications

ECO-mode (98% efficiency) reduces cost and heat emission

Bus synchronisation control function provides reliable high power for the dual bus application

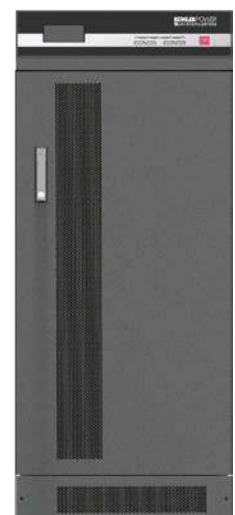
Advanced no-master-slave parallel technology achieves online power expansion and prevents single faults



100–200 kVA



40–80 kVA



10–30 kVA

Three-phase UPS  
for finance companies;  
data centres; government  
and national defence;  
telecommunications systems;  
transportation, energy and  
industrial processes.

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## Kohler EW 6000TX 300–600 kVA

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High efficiency up to 95%

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Wide input voltage range

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Galvanic isolation

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High overload capacity

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IGBT-based rectifier technology

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Transformer-based

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Easy operation with 7-inch LCD touch  
screen and LED on front door

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SNMP and MODBUS communication

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### Green power

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High input power factor (up to 0.999) and low Input THDi: <2.0% at full load, much less grid pollution and costs

Low output THDv: <0.5%, higher adaptability to precision instrument

High efficiency in online mode >95% and eco-mode efficiency >99%; 50% load >94.74%

Load bus sync (LBS) control decrease transfer time and current impact of dual bus system

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### Reliable

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Wide input voltage range ( -40%~+25%) assure high grid adaptability and prolong battery service life.

Dual air ducts design shows better cooling performance

Dual power and DSP redundancy design get higher reliability

Water, dust and corrosion resistant coating in all PCB boards

Robust EMC performance due to electromagnetic shielding tech

Intelligent fan speed control and failure detection function reduces the noise and prolongs fan service life

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### User-friendly

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Set modes easily via touchscreen: output voltage, frequency, eco-mode, charging current and battery cells

On/off: double-button design to prevent misuse and touchscreen failure

EPO (emergency power off) button on front panel

Large data storage capacity, 10,000 entry event log

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### Intelligent management

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Intelligent SNMP and MOD BUS achieves local monitoring and remote monitor

Intelligent battery management, automatic boosting and floating charge control

Intelligent fan control according the load capacity reduces the noise and prolongs fan service life

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### Galvanic isolation

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Complete UPS output galvanic isolation for key components from the high voltage DC

Full isolate from the external loads, reduce the harmonic disturbances

Short circuit protection, restrain the high current puncture to UPS

No effects to the UPS output performance or reduced impact of the inverter power components whilst supplying specific loads

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### Options

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UPS management software

IP grade upgrade and temperature sensor

Lightning protection device C/D level

Charging temperature compensation

Input/bypass isolation transformer

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