

# KOHLER®

UNINTERRUPTIBLE  
POWER



## KOHLER *EW* 6000RM

Rack mountable or standalone tower three-phase uninterruptible power supply

(10-40 kVA)

# Convenient integration, *critical* protection.

High efficiency, up to 96%, for reliable power and energy savings.

## KOHLER EW 6000RM 10-40 kVA

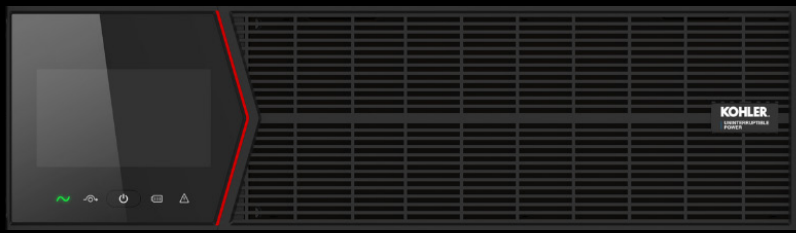
Experience reliable power protection with our advanced, space-saving three-phase (3:3 / 3:1) UPS—engineered specifically for high-performance server rooms, robust network infrastructures, and mission-critical VoIP and telecommunications systems.

Convenient integration to rack mounted systems or available as a compact standalone tower.

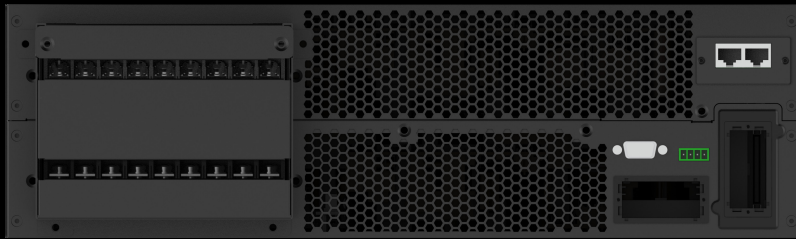


## KOHLER EW 6000RM

- | Advanced electronics engineered for exceptional performance, featuring wide input voltage and frequency ranges to deliver reliable operation in diverse environments.
- | A matching rack-mountable battery module and distribution box is available, designed for seamless integration and optimal performance. Engineered for reliability, efficiency, and easy installation.
- | Each unit comes with RS 232 communications and Emergency Power Off (EPO) functionality as standard. It is also possible to select an SNMP card or RS 485 + dry contact card.
- | Achieve up to 96% AC/AC efficiency—cutting energy loss, heat, and costs. Dual DSP control eliminates single points of failure, while premium components, smart fan control, and rugged circuit boards deliver unmatched reliability and long-lasting durability.



20 kVA



40 kVA



## Flexible design

- | Switch seamlessly between tower and rack setups
- | Easily adjust input and output to fit your needs:  
3:3/3:1/1:1
- | Use a common battery system for added convenience.
- | The intuitive touch screen makes settings and monitoring simple.
- | Customize battery count and charging current as needed.

## Easy integration

- | External UPS input and output distribution boxes available.
- | Supports dry contact kits and SNMP integration.
- | Compatible with 19-inch rail kits for streamlined installation.

## Advanced Technology

- | Handles the toughest conditions with an ultra-wide input voltage range (-60% to +25%).
- | Dual DSP control delivers top performance and reliability.
- | All PCB boards feature anti-corrosion coatings for long-term durability.
- | Smart fan speed control keeps noise low and extends fan life.

## Green Power

- | Experience ultra-low THDi—just 3% at linear load—for cleaner, greener energy.
- | Achieve up to 96% AC/AC efficiency and cut down on noise to create a quieter, more eco-friendly environment.

# Technical specification

## KOHLER EW 6000RM (10-40kW)

General Data	10	20	30	40
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### Input

Phase	3:3/3:1/1:1	3:3/3:1
Voltage (Vac)	L-L: 138~485 (305~485 at full load)	
Frequency (Hz)	40~70	
Power factor	≥0.99	
THDi	≤3% (resistive full load), ≤5% (non-linear full load)	

### Bypass

Voltage (Vac)	±10%/±15%/±20% (default ±20%)
Frequency (Hz)	±5%/±10% (default 10%)
Overload	130%: long term; 155%: 1min; above 155%: 200ms

### Output

Capacity (kW)	10	20	30	40
Power factor	1.0			
Voltage (Vac)	±10%/±15%/±20% (default ±20%)			
Frequency (Hz)	50/60±0.1 (battery mode)			
AV/AC Efficiency (Max.)	96%			
Crest Factor	3:1			
THDv	≤2% (resistive full load), ≤4% (non-linear full load)			
Transfer time (ms)	0 (Mains mode-Battery mode), ≤1ms (Mains mode-Bypass mode)			
Max efficiency, online	96%			
Overload	105%: long term; 110%: 60min; 130% load: 10 min; 155%: 1 min; above 155%: 200ms			

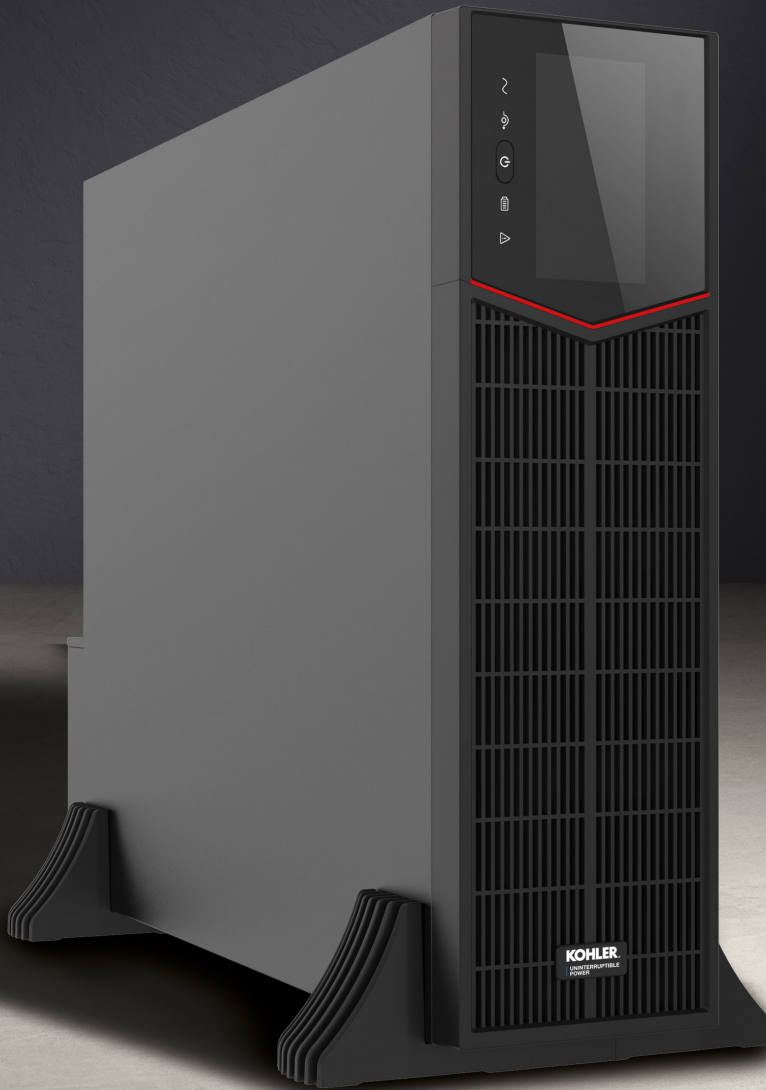
### Battery

Voltage (Vdc)	±96 (±96~±240 adjustable at full load)	±192 (±96~±240 adjustable, ±192~±240 at full load)
External battery Module (EBM)	B3U-192-20-2C	B3U-240-40-2C
EBM Battery	16*9AH/12V	20*9AH/12V
Charging current (A)	1-10 settable	15 (1-20 settable)

### Other

Communication interface		RS232, EPO    Optional: SNMP card, RS485+dry contact card, Li Protocol Conversion card	
Display		4.3"touch screen	
Noise		<55dB	<60dB
Working temperature		-5°C to +40°C	
Relative humidity		0–95%, no condensation	
Altitude		Up to 2000m without derating	
IP rating		IP20	
Standards		EN IEC 62040-1, EN IEC 62040-2, EN IEC 62040-3	
Dimensions (mm) W x D x H	UPS	438×535×130 (3U)	438×720×130 (3U)
	External Battery	438×500×130 (3U)	438×680×130 (3U)
Weight (kg)	UPS	18.5	34.5
	External Battery	45	56

\*Capacity will derate when battery voltage between ±144 and ±180



Exceptional 24/7/365  
Service Support

### Singapore

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