

Kohler EW 6000TX Transformer-based

(UPS 10–600kVA)

Technical Specification

KOHLER POWER
uninterruptible



KOHLER POWER
uninterruptible

Kohler EW 6000TX (UPS 10–200 kVA)

Model	10	20	30	40	60	80	100	120	160	200
Input										
Voltage	380/400/415 Vac ±25%									
Rectifier	40–70									
SYNC frequency tracking	50/60 Hz ±10% (± 5% optional)									
Phase	3φ4W+PE									
Output										
Capacity (KVA)	10	20	30	40	60	80	100	120	160	200
Power factor	0.9 (0.8/1.0 optional)									
Phase	3φ4W+PE									
Voltage	L–N: 220/230/240 Vac ± 1%, L–L: 380/400/415 Vac ± 1%									
Frequency	50/60 Hz ± 0.2 (battery mode)									
Waveform	Pure sine wave, THD ≤2% (linear load)									
3-Phases 100% load unbalance voltage stability	≤2%, allow 100% unbalance									
Efficiency	Up to 92%									
Overload	125% load for 10 minutes, 150% load for 1 minute									
Battery										
Voltage	348 Vdc (360 optional)									384 (348/360/372 selectable)
BATT type	External									
Charging current	10–40 A selectable									10–100 A selectable
Other										
Maintenance bypass	Yes									
Communication interface	RS485/MODBUS (dry contacts/SNMP is optional)									RS232/RS485 (dry contacts/SNMP is optional)
Display	Touchscreen + LED									
Alarm	Overload, abnormal AC input, low battery, UPS failure									
Protection	Low battery, overload, over temperature, short circuit, output over voltage, output low voltage									
Noise	<65 dB									<70 dB
Working temperature	0–40°C									
Relative humidity	0–95%, no condensation									
Dimensions (mm) W x D x H	500 × 600 × 1180			500 × 800 × 1600			700 × 800 × 1800			1400 × 1000 × 1850

Kohler EW 6000TX (UPS 300–600 kVA)

Model	300T	400T	500T	600T
Input				
Rated voltage	380/400/415 V (selectable)			
REC voltage range	228–475 Vac			
Bypass voltage range	±20%			
Bypass frequency sync	50/60 Hz ± 5% (±10% optional)			
Battery (VDC)	480 (384 V–504 V, 32–42 pcs 12 V battery selectable)			
Charging mode	Equalised and float charging			
Charging current	20~100A			
PF	≥0.999			
THDi	≤2% (full load)			
Output				
Voltage	380/400/415 Vac±1%			
Frequency	50/60 Hz ± 0.02% (battery mode)			
Load PF	0.9			
THDV (Linear load) %	≤0.5%			
THDV (Non linear load) %	≤2% (RCD load PF=0.8, ≤6%)			
Crest factor	3:1			
Voltage transient range	±5%			
100% load system efficiency	95%			
Power consume without load	4.785 kW (INV); 2.736 kW (ECO)		5.745 kW (INV) 4.34 kW (ECO)	
Frequency sync range	45~55/54~66			
Inverter overload	130% 10 min; 150% 1 min			
Inverter short circuit current-limiting	1150 A	1600 A	1900 A	2300 A
Bypass overload	130% long time; 150% 10min			
Transfer time (AC to DC)	0	0	0	0
ECO/normal mode transfer time	≤10 ms			
Other				
Maintenance bypass	Yes			
Display	Touchscreen + LED			
Communication port	RS232/485, dry contact (SNMP, MODBUS optional)			
DC start function	Optional			
Noise	72 dB		75 dB	
Working temperature	-5~40°C			
Storage temperature	-20~55°C			
Humidity	0~95%			
IP	IP20 (high level option)			
Approvals	EN62040-2:2006			
Dimensions (mm) W x D x H	1600 x 1000 x 1800		2200 x 1000 x 1800	
Weight (kg)	1400	1700	2300	2400



KOHLER POWER
uninterruptible

Regional Office:

Kohler Uninterruptible Power

7 Jurong Pier Road
Singapore 619159

Tel: +65 6302 0702

Fax: +65 6302 0717

Email: salesUPS.sg@kohler.com

www.kohler-ups.sg
