

WECO

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WECO

XT/XTE Series

Single-Phase Hybrid Inverter



ON/OFF Grid Hybrid Inverter
with High Power Bypass

NORTH AMERICA VERSION

Technical Data	XT-6K	XT-8K	XT-10K
Solar			
Nominal PV Power (kW)	6	8	10
Max. Power (kW)	9	12	15
Max. PV DC Voltage (V)	500 (520)		
MPPT Voltage Range (V)	110 - 500		
Max. Input Current of Single MPPT (A)	14		
MPPT Tracker / Strings	4		
Channels Per MPPT	1		
AC Output			
Rated Output Power (kW)	6	8	10
Max. AC Output Power (kW)	6.6	8.8	11
Max. Output Current (A)	27.5	36.7	45.8
AC Output Voltage (V)	120 / 240 (split phase), 208 (2 / 3 phase), 230 (single phase)		
Rated Frequency (Hz)	50 / 60		
Frequency Range	50 ± 5 Hz / 60 ± 5 Hz		
THDI	< 3 %		
Battery			
Battery Voltage Range (V)	40 ~ 58.4		
Max. Charging Voltage (V)		58.4	
Max. Charge / Discharge Current (A)	135 / 135	190 / 190	190 / 210
Battery Type	Li-Ion		
Communication Interface	WeCo-CAN		
EPS Output			
Rated Power (kVA)	6	8	10
Rated Output Voltage (V)	120 / 240 (split phase), 208 (2 / 3 phase), 230 (single phase not for UL type)		
Rated Output Current (A)	25	33.3	41.6
Rated Frequency (Hz)	50 / 60		
Automatic Switching Time (ms)	< 10		
THDI	< 3 %		
Overload Capacity	125 %, 60s / 150 %, 1s		
General Data			
North American Efficiency	≥ 97.2 %		
Ingress Protection	IP65 / NEMA 3R		
Noise Emission (dB)	< 38		
Operating Temperature (°C)	- 25 °C ~ 60 °C		
Cooling	Natural		
Relative Humidity	0 ~ 95 % (non-condensing)		
Altitude	2,000m (above 2000m derating)		
Dimensions (W × D × H) (mm)	430 × 225 × 710		
Weight (Kg)	41		
Isolation Transformer	No		
Self - Consumption (W)	< 3		
Display			
Logic Multicolor LED Bar	LED BAR		
COMM 1	WeCo WiFi Antenna		
COMM	CAN		
Safety Standard			
North American standard	UL1741, CSA C22.2 No.107.1:16, UL1998		
EMC	FCC Part15, Class B		
On-Grid	IEEE1547, CPUC Rule21, SRD V2.0, UL1741 SA, UL1741 SB		
DC ARC-Fault	UL1699B		

*Available only in specific States

EUROPEAN VERSION

Technical Data	XTE-6K	XTE-8K	XTE-10K
Solar			
Nominal PV Power (kW)	6	8	10
Max. Power (kW)	9	12	15
Max. PV DC Voltage (V)	500 (520)		
MPPT Voltage Range (V)	110 ~ 500		
Max. Input Current of Single MPPT (A)	14		
MPPT Tracker / Strings	4		
Channels Per MPPT	1		
AC Output			
Rated Output Power (kW)	6	8	10
Max. AC Output Power (kW)	6.6	8.8	611
Max. Output Current (A)	27.5	36.7	45.8
AC Output Voltage (V)	230 (single phase)		
Rated Frequency (Hz)	50 / 60		
Frequency Range	50 ± 5 Hz / 60 ± 5 Hz		
THDI	< 3 %		
Battery			
Battery Voltage Range (V)	40 ~ 58.4		
Max. Charging Voltage (V)	58.4		
Max. Charge / Discharge Current (A)	135 / 135	190 / 190	190 / 210
Battery Type	Li-Ion		
Communication Interface	WeCo-CAN		
EPS Output			
Rated Power (kVA)	6	8	10
Rated Output Voltage (V)	230 (single phase Not for North America Standard)		
Rated Output Current (A)	25	33.3	41.6
Rated Frequency (Hz)	50 / 60		
Automatic Switching Time (ms)	< 10		
THDI	< 3 %		
Overload Capacity	125 % 60s / 150 % 1s		
General Data			
Europe Efficiency	≥ 98.2 %		
Ingress Protection	IP65 / NEMA 3R		
Noise Emission [dB]	< 38		
Operating Temperature (°C)	- 25 °C ~ 60 °C		
Cooling	Natural		
Relative Humidity	0 ~ 95 % (non-condensing)		
Altitude	2,000m (above 2000m derating)		
Dimensions (W × D × H) (mm)	430 × 225 × 710		
Weight (Kg)	41		
Isolation Transformer	No		
Self - Consumption (W)	< 3		
Display			
Logic Multicolor LED Bar	LED BAR		
COMM 1	WeCo WiFi Antenna		
COMM 2	CAN		
Safety Standard			
EMC / CE / IEC 61000: 4 / 3			
IEC62109			
NRS 097 - 2 - 1			
EUROPE+SOUTH AFRICA			
Ask your distributor for specific Certifications available			

*Available only in specific States

See warranty terms for Performance warranty applicability.
See Performance Warranty Terms and the Standard Test Conditions "STC".
All data is subject to change without prior notice; always ask WeCo for the most recent datasheet and manual before purchasing.
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