

KO Plus Tower Series Features:

- ✓ Pure Sine Wave Online Double-Conversion
- ✓ Wide Input Voltage Range
- ✓ Output PF 0.9
- ✓ Eco mode operation for energy saving (ECO)
- ✓ Generator Compatible
- ✓ Max. 8A Charger Expansion for Long-run models
- ✓ EPO (Emergency Power Off) Available
- ✓ Active Input Power Factor Correction 0.99
- ✓ Frequency Mode: 50Hz/60Hz Converterable
- ✓ 3-Stage Charging Design for Optimized Battery Performance
- ✓ Battery Numbers are Adjustable
- ✓ High surge immunity up to 7KV, 13KA, 1300J
- ✓ USB/SNMP/RS-232 Communication Interface
- ✓ SNMP Network Management Card (Optional)



Knight Online Plus Tower 120~220V Series

MODEL		KO Plus-1K KO Plus-1KL	KO Plus-1.5K KO Plus-1.5KL	KO Plus-2K KO Plus-2KL	KO Plus-3K KO Plus-3KL	
INPUT	Capacity	1KVA / 0.9KW	2KVA / 1.35KW	2KVA / 1.8KW	3KVA / 2.7KW	
	Phase	Single Phase with Ground				
	Nominal Voltage	100 / 110 / 115 /120 / 127 VAC or 200 / 208 / 220 / 230 / 240 VAC				
	Voltage Range	55 ~ 150 VAC or 110 ~ 300 VAC (50% Load) 80 ~ 150 VAC or 160 ~ 300 VAC (100% Load)				
	Frequency	40 ~ 70 Hz				
OUTPUT	Wave Form	Pure Sinewave				
	Output Voltage	100/110/115/120/127 VAC or 200/208/220/230/240 VAC				
	AC Voltage Regulation	Battery Mode: +/-1%				
	Frequency	Line Mode: 47 Hz ~ 53Hz or 57Hz ~ 63Hz. Battery Mode: 50Hz or 60Hz (±0.1Hz)				
	Transfer Time	AC to Battery Mode: 0 Inverter to Bypass: 4 ms				
	Harmonic Distortion	≤ 2% THD (Linear Load) ≤ 4% THD (Non-Linear Load)				
BATTERY	Battery Type	Maintenance Free Sealed Lead-Acid Battery				
	DC Voltage	36V	36V	72V	72V	96V
	Capacity	12V / 7.0Ah x 3 pcs	12V / 9.0Ah x 3 pcs	12V / 7.0Ah x 6 pcs	12V / 9.0Ah x 6 pcs	12V / 7.0Ah x 8 pcs
	Recharger Time	Approx. 4 Hours to 90% Capacity Recovery				
	Charging Volt. (+/-1%)	41 VDC		82.1 VDC		109.6 VDC
	Built-In Charger	1.5 A (max)				
		Long-Run Type				
	Charging Volt. (+/-1%)	41 VDC		82.1 VDC		109.6 VDC
	Built-In Charger	1A/2A/4A/6A/8A (Adjustable)				
	Battery Handle	Fully Recharge UPS After Complete Discharge or Every Three Months When Stored				
DISPLAY	LCD	Load Level, Battery Level, AC Mode, Battery Mode, Discharging Time, I/P & O/P Volt., Fault Indicators				
AUDIBLE ALARM	Overload	Beep Sound Every 1 Second				
	Battery Mode	Beep Sound Every 5 Seconds				
	Battery Low	Beep Sound Every 2 Seconds				
	Faulty Conditions	Beep Sound Continuously				
INTERFACE	USB/Smart RS232	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux, MAC				
	SNMP Card (Optional)	Power Management via SNMP Manager & Web Browser				
ENVIRONMENT	Humidity (@0- 40°C)	20-95 % RH @ 0- 40°C (Non-condensing)				
	Acoustic Noise	< 50 dB at 1mt				
DIMENSIONS	Standard (W x H x D) (mm)	145*220*397			190*318*421	
	Long-run (W x H x D) (mm)					
NET WEIGHT	Standard (kgs)	12	13.8	22.5	26.6	32.2
	Long-run (kgs)	6.3	6.5	10.5	11.7	11.7

* Specification Subject to Change without Prior Notice.