

KO Plus 2/2 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
- ✓ DSP Technology Provide High Performance
- ✓ Maintenance Bypass included
- ✓ USB/SNMP/RS-232 Communication Interface
- ✓ SNMP Network Management Card (Optional)



Knight Online Plus Tower / Rack 120V Series (2 Phase in / 2 Phase out)

MODEL		KO Plus 2/2- 6K KO Plus 2/2- 6KL	KO Plus 2/2- 6KR KO Plus 2/2- 6KRL	KO Plus 2/2- 10K KO Plus 2/2- 10KL	KO Plus 2/2- 10KR KO Plus 2/2- 10KRL
INPUT	Capacity	6KVA / 5.4KW		10KVA / 9KW	
	Phase	2 Phase in / 2 Phase out			
	Nominal Voltage	100/110/115/120/127 VAC (L-N)			
	Voltage Range	60-150 VAC (Phase-N) @ 50% load / 80-140 VAC (Phase-N) @ 100% load			
	Frequency	46~54 Hz or 56~64 Hz			
	Phase Angle	0°/120°/180°/240°			
OUTPUT	Wave Form	Pure Sinewave			
	Output Voltage	100/110/115/120/127 VAC (L-N)			
	AC Voltage Regulation	Battery Mode: +/-1%			
	Phase Angle	0°/120°/180°/240°			
	Frequency	Line Mode: 46~54 Hz or 56~64 Hz / Battery Mode: 50Hz or 60Hz (±0.1Hz)			
	Transfer Time	AC to Battery Mode / Inverter to Bypass: Zero Inverter to ECO: less than 10 ms			
	Harmonic Distortion	≤ 2% THD (Linear Load) ≤ 5% THD (Non-Linear Load)			
BATTERY	Battery Type	Maintenance Free Sealed Lead-Acid Battery			
	Capacity	12V / 7.0Ah (10 pcs*2 strings)		12V / 9.0Ah (10 pcs*2 strings)	
	Recharger Time	Approx. 5 hours to 90% capacity recovery		Approx. 7 hours to 90% capacity recovery	
	Floater Charging Voltage	136.5 VDC		136.5 VDC	
	Built-In Charger	2.0 A (max)			
		Long-Run Type			
	Charging Volt. (+/-1%)	136.5 VDC		136.5 VDC	
	Built-In Charger	8A (max.)		8A (max.)	
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 Twice Every Second			
	Battery Mode	Beep Sound Every 4 Seconds			
	Battery Low	Beep Sound Every Second			
	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)	0-95 % RH @ 0- 40°C (Non-condensing)			
	Acoustic Noise	< 60 dB at 1mt			
DIMENSIONS	Standard (W x H x D) (mm)	250*576*592	UPS : 438*133*668 [3U] Bat. : 438*133*580 [3U]	250*826*592	UPS : 438*266*668 [6U] Bat. : 438*133*580 [3U]
	Long-run (W x H x D) (mm)	250*576*592	438*133*668 [3U]	250*576*592	438*266*668 [6U]
NET WEIGHT	Standard (kgs)	83	UPS Unit : 22 Bat. Pack : 63	100	UPS Unit : 45 Bat. Pack : 63
	Long-run (kgs)	28	22	38	45

* Specification Subject to Change without Prior Notice.