

KO Plus 220V Series Features:

- ✦ Pure Sine Wave Online Double-Conversion
- ✦ Wide Input Voltage Range
- ✦ Output PF 1.0
- ✦ Generator Compatible
- ✦ EPO (Emergency Power Off) Available
- ✦ Active Input Power Factor Correction 0.99
- ✦ Frequency Mode: 50Hz/60Hz Converterable
- ✦ Battery Numbers are Adjustable
- ✦ USB/SNMP/RS-232 Communication Interface
- ✦ OVCD protection available (optional)
- ✦ Maintenance Bypass (Optional)
- ✦ N+X parallel redundancy available (Optional)
- ✦ SNMP Network Management Card (Optional)



Knight Online Plus Tower / Rackmount / Rack Tower 220V Series

MODEL		KO Plus - 6K KO Plus - 6KL		KO Plus - 6K R/T KO Plus - 6KL R/T		KO Plus - 10K KO Plus - 10KL		KO Plus - 10K R/T KO Plus - 10KL R/T	
INPUT	Capacity	6KVA / 6KW				10KVA / 10KW			
	Phase	Single Phase							
	Nominal Voltage	208/220/230/240 VAC							
	Voltage Range	110 VAC ~ 300 VAC (@ 0 ~60% load) 140 VAC~ 300 VAC (@ 60% ~80% Load) 176 VAC~ 300 VAC (@ 80 % ~ 100% load)							
	Frequency	46~54 Hz or 56~64 Hz							
	THDI	Less than 4% (100% load) / Less than 6% (50% load)							
OUTPUT	Wave Form	Pure Sinewave							
	Output Voltage	208/220/230/240 VAC							
	AC Voltage Regulation	Battery Mode: +/-1%							
	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							
	Overload	AC Mode: 100 ~ 110% : 10 min, 110 ~ 130%: 1 min, higher than 130%: 1 sec. Batt. Mode: 100 ~ 110% : 30 sec., 110 ~ 130%: 10 sec., higher than 130%: 1 sec.							
Harmonic Distortion	≤ 1% THD (Linear Load) / ≤ 4% THD (Non-Linear Load)								
BATTERY	Battery Type	Maintenance Free Sealed Lead-Acid Battery							
	Capacity	12V / 7.0Ah x 16 pcs	12V / 7.0Ah x 16 pcs	12V / 7.0Ah x 20 pcs	12V / 9.0Ah x 16 pcs	12V / 9.0Ah x 16 pcs	12V / 9.0Ah x 20 pcs		
	Recharger Time	Approx. 9 hours to 90% capacity recovery							
	Charging Voltage	218.4 VDC	218.4 VDC	273 VDC	218.4 VDC	218.4 VDC	273 VDC		
	Built-In Charger	1.0 A (max)							
		Long-Run Type							
	Charging Volt. (+/-1%)	218.4 VDC (16 pcs Batteries) / 273 VDC (20 pcs Batteries)							
	Built-In Charger	4A (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)	20-90 % RH @ 0- 40°C (Non-condensing)							
	Acoustic Noise	< 55 dB at 1mt				< 58 dB at 1mt			
DIMENSIONS	Standard (W x H x D) (mm)	190*688*369	UPS : 438*88*600 [2U] Bat. : 438*88*688 [2U]	UPS : 438*88*600 [2U] Bat. : 438*133*600 [3U]	190*688*442	UPS : 438*88*600 [2U] Bat. : 438*88*688 [2U]	UPS : 438*88*600 [2U] Bat. : 438*133*600 [3U]		
	Long-run (W x H x D) (mm)	190*318*369	438*88*600 [2U]	438*88*600 [2U]	190*318*442	438*88*600 [2U]	438*88*600 [2U]		
NET WEIGHT	Standard (kgs)	54	UPS Unit : 17 Bat. Pack : 48	UPS Unit : 17 Bat. Pack : 57	66	UPS Unit : 20 Bat. Pack : 48	UPS Unit : 20 Bat. Pack : 63		
	Long-run (kgs)	13	17	17	16	20	20		

* Specification Subject to Change without Prior Notice.