

KO Plus 3/1 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
- ✓ Programmable Power Management Outlets
- ✓ EPO (Emergency Power Off) Available
- ✓ Frequency Mode: 50Hz/60Hz Converterable
- ✓ 3-Stage Charging Design for Optimized Battery Performance
- ✓ Battery Numbers are Adjustable
- ✓ Maintenance Bypass Available
- ✓ N+X parallel redundancy available (Optional)
- ✓ SNMP Network Management Card (Optional)



Knight Online Plus Tower Series (3 Phase in / 1 Phase out)

MODEL		KO Plus 3/1- 10K KO Plus 3/1- 10KL	KO Plus 3/1- 15K KO Plus 3/1- 15KL	KO Plus 3/1- 20K KO Plus 3/1- 20KL	KO Plus 3/1- 30K KO Plus 3/1- 30KL
INPUT	Capacity	10KVA / 9KW	15KVA / 13.5KW	20KVA / 18KW	30KVA / 27KW
	Phase	3 Phase in / 1 Phase out			
	Nominal Voltage	3 x 400 VAC (3 Ph+N)			
	Voltage Range	190 ~ 520 VAC (50% load) / 305 ~ 478 VAC (100% load)			
	Frequency	46 Hz ~ 54Hz or 56 Hz ~ 64 Hz			
OUTPUT	THDi	Less than 6% (100% load)			
	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)			
BATTERY	Transfer Time	AC to Battery Mode : Zero Inverter to Bypass : Zero			
	Harmonic Distortion	≤ 2% THD (Linear Load) ≤ 5% THD (Non-Linear Load)			
	Battery Type	Maintenance Free Sealed Lead-Acid Battery			
	Capacity	12V / 9.0Ah (18 ~ 20 pcs)	12V / 9.0Ah * 20 pcs (18~20 pcs)x 2 strings		12V / 9.0Ah * 20 pcs (18~20 pcs)x 3 strings
	Built-In Charger	1A	2A		4A
DISPLAY	Recharger Time	Approx. 9 Hours to 90% Capacity Recovery			
	Charging Voltage	273 VDC (Battery usage: 20 pcs)			
	Charging Current (max.)	4A	8A		12A
	Charger Voltage (+/-1%)	273 VDC (Battery usage: 20 pcs)			
	Battery Handle	Fully Recharge UPS After Complete Discharge or Every Three Months When Stored			
AUDIBLE ALARM	LCD	Load Level, Battery Level, AC Mode, Battery Mode, Discharging Time, I/P & O/P Volt., Fault Indicators			
	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	< 58 dB at 1mt		< 60 dB at 1mt	
DIMENSIONS	Standard (W x H x D) (mm)	250*576*592	250*826*815	250*826*815	300*1000*815
	Long-run (W x H x D) (mm)	250*576*592	250*576*592	250*576*592	250*826*815
	Standard (kgs)	83	164	164	234
NET WEIGHT	Long-run (kgs)	28	40	40	64

* Specification Subject to Change without Prior Notice.