

# Ranger 60KT

PN: UP33TOP160KRAAZ01B  
EAN: 6422956012342

## Specifications

<b>Capacity</b>	60k VA / 60k W
<b>Type</b>	On-line
<b>Input</b>	
Nominal Voltage	3 x 360/380/400/415 VAC (3Ph+N)
Voltage range	110-300 VAC @ 50% load 176-276 VAC @ 100% load
Frequency Range	40 ~ 70Hz
Phase	3-phase in / 3-phase out
Power Factor	≥ 0.99 at 100% load
Outlet type	Terminal Block Wiring
<b>Output</b>	
Nominal Voltage	3 x 360*/380/400/415 VAC (3Ph+N)
AC Voltage Regulation (Batt. Mode)	± 1%
Frequency Range (Synchronized Range)	46 ~ 54Hz
Frequency Range (Batt. Mode)	50/60Hz ± 1 %
Current Crest Ratio	3:1 (max.)
Harmonic Distortion	2 % THD (Linear Load) 5 % THD (Non-linear Load)
Waveform (Batt. Mode)	Pure Sine-wave
Outlet type	Terminal Block Wiring
<b>Transfer Time</b>	
AC Mode to Batt. Mode	Zero
Inverter to Bypass	Zero
<b>Overload</b>	
AC Mode	100-110% for 60 min 111-125% for 10 min 126%~150% for 1 min >150% immediately shutdown
Battery Mode	100-110% for 60 min 111-125% for 10 min 126%~150% for 1 min >150% immediately shutdown



True double conversion



Pure Sine Wave



ECO Mode for energy saving




- On-line with double conversion
- 3-stage extendable charging design for optimized battery performance
- Output power factor 1.0
- Optional isolation transformer
- DSP technology guarantees high performance
- Active power factor correction in all phases
- EPO function
- Maintenance bypass
- Parallel operation up to 4 units
- Software management
- ECO mode operation for energy saving
- Power walk-in function
- Generator compatible

\*When output voltage is set as 3 x 360VAC, the output power of the unit will be de-rated to 90%.

<b>Efficiency</b>	
AC Mode	≥ 95.5 % at battery fully charged
Battery Mode	≥ 94.5 % at full charged battery
ECO Mode	≥ 98.5 % at full charged battery
<b>Indicators type</b>	
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions
Alarm	Battery mode (beep every 4 sec), Low battery, (beep every sec) Overload (beep twice every sec), Fault (continuously beep)
<b>Environment</b>	
Humidity	< 95 % RH at 0-40°C (non-condensing)
Noise level	Less than 65dB at 1 m
<b>Battery</b>	
Battery type & number for external cabinet	12V lead acid, 32~40 pcs x 2 strings
Charging Voltage	+/- 13.65V*N (N = 16~20)

Charging Current (max)	1A-18A (adjustable)
<b>Management</b>	
Connection ports	RS232 / USB / EPO SNMP optional
Software (online download)	<a href="https://www.power-software-download.com/viewpower.html">https://www.power-software-download.com/viewpower.html</a>
Software capability	Monitor & Control over USB, LAN and Internet (SNMP card optional)
OS Support	Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux, MAC OS
<b>Physical</b>	
Product dimensions	785 x 300 x 1000 mm

## Logistics

	Carton Box Size (LxWxH)	920x420x1200mm
	Pieces in the Carton Box	1 piece
	Net & Gross weight / CTN	Net 91 Kg, Gross 106.5 Kg

## Certificates

