

Ranger 60KR

PN: UP33ROP160KRAAZ01B

EAN: 6422956012359

Specifications

Capacity	60k VA / 60k W
Type	On-line
Input	
Nominal Voltage	3 x 360/380/400/415 VAC (3Ph+N)
Voltage range	190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 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
Output	
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
Transfer Time	
AC Mode to Batt. Mode	Zero
Inverter to Bypass	Zero
Overload**	
AC Mode	100-110% for 60 min 111-125% for 10 min 125%~150% for 1 min >150% Transfer to bypass
Battery Mode	100-110% for 60 min 111-125% for 10 min 125%~150% for 1 min >150% Transfer to bypass



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%.

**When the load is greater than 150% or when the accepted overload time is exceeded, the UPS goes into Bypass. Otherwise Bypass is not in ok state, then it will cut off output.

Efficiency

AC Mode	≥ 95.5 % at battery fully charged
Battery Mode	≥ 94.5 % at full charged battery
ECO Mode	≥ 98.5 % at full charged battery

Indicators type

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)

Environment

Humidity	< 95 % RH at 0-40°C (non-condensing)
Noise level	Less than 65dB at 1 m

Battery

Battery type & number for external cabinet	12V lead acid, (20+20) pcs x 2 strings
Charging Voltage	+/- 13.65V*20
Charging Current (max)	1A-18A (adjustable)

Management

Connection ports	RS232 / USB / EPO / Intelligent Port for installation of SNMP or Modbus (Protocol 38) Card
Software (online download)	https://www.power-software-download.com/viewpower.html
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

Physical

Product dimensions	797 x 438 x 176 mm (4U)
Product Net Weight	46 kg (without batteries)



Logistics

 Carton Box Size (LxWxH)	980 x 580 x 285 mm
 Pieces in the Carton Box	1 piece
 Net & Gross weight / CTN	Net 46 Kg, Gross 58 Kg



Certificates

