



Ranger 60KR

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% immediately shutdown
Battery Mode	100-110% for 60 min 111-125% for 10 min 125%~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%.



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 SNMP optional
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
Product Net Weight	74 kg



Logistics

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



Certificates





Ordering Information

Use combinations of **bold** letters and numbers to create part numbers for ordering.

Range		VA Power		Typology	
AR	Aria	30K	30K VA	TO	Tower
ED	Edoc	60K	60K VA	BR	Brick
NE	Neek			1U	Rack (1U)
NK	Nekot			2U	Rack (2U)
NO	Notner			3U	Rack (3U)
NT	Neta			C3	Rack (3U) / Convertible
NU	Nurag				
OH	OhcePRO				
RD	Redlab				
RS	Resta				
RT	Retos				
RG	Regnar				
SU	Suroh				
UD	Udac				
▲		▲		▲	
RG	33	60K	60K	C3	PW
▼		▼		▼	
Single Phase	SP	30K w	30K	Pure Sine Wave	PW
3 Phase In - 3 Phase Out	33	60K w	60K	Simulated Sine Wave	SW
3 Phase In - 1 Phase Out	31				
Phase		W Power		Output waveform	

Example Part Number	
Description	Part Number
Regnar 60KR 3 Phase In - 3 Phase Out Rack (3U) / Convertible Pure Sine Wave UPS unit	RG3360K60KC3PW

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