



Regnar 120KT

Specifications

Capacity	120k VA / 120k W
Type	On-line
Input	
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
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 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

- Designed with pluggable power module and front access to simplify maintenance
- 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 70dB at 1 m
Battery	
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)	2A-36A (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	974 x 600 x 1600 mm

Logistics

	Carton Box Size (LxWxH)	1125x665x1800mm
	Pieces in the Carton Box	1 piece
	Net & Gross weight / CTN	250 Kg

Certificates





Ordering Information

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

Range		VA Power		Typology	
AR	Aria	60K	60K VA	TO	Tower
ED	Edoc	120K	120K VA	BR	Brick
NE	Neek	180K	180K VA	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	120K	120K	TO	PW
▼		▼		▼	
Single Phase	SP	60K w	60K	Pure Sine Wave	PW
3 Phase In - 3 Phase Out	33	120K w	120K	Simulated Sine Wave	SW
3 Phase In - 1 Phase Out	31	180K w	180K		
Phase		W Power		Output waveform	

Example Part Number

Description	Part Number
Regnar 120KR 3 Phase In - 3 Phase Out Tower Pure Sine Wave UPS unit	RG33120K120KTOPW

Regnar 120KT