

Ranger 180KT

PN: UP33TOP118ZRAAZ01B

EAN: 6422956012373

Specifications

Capacity	180k VA / 180k 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	0ms
Inverter to Bypass	0ms
Line to Battery	0ms
Battery to Line	0ms
INV to Bypass	0ms
Bypass to INV	0ms
INV to ECO	0ms
ECO to INV	0ms



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%.

Overload**	
AC Mode	100-110% for 60 min 111-125% for 10 min 126%~150% for 1 min >150% Transfer to bypass
Battery Mode	100-110% for 60 min 111-125% for 10 min 126%~150% for 1 min >150% Transfer to bypass
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 (continously beep)
Environment	
Humidity	< 95 % RH at 0-40°C (non-condensing)
Noise level	Less than 75dB 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)	3A-54A (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	1000 x 600 x 1200 mm
Product Net Weight	263 kg

Logistics

	Carton Box Size (LxWxH)	1090x670x1250mm
	Pieces in the Carton Box	1 piece
	Net & Gross weight / CTN	Net 263 Kg, Gross 287 Kg

Certificates



**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.

