

# 33RM 10KVA - 60KVA

## Rack Mount Online UPS Technical Specification

33RM 10KVA - 60KVA (3ph in / 3ph out)

### Key Features:

- True double-conversion
- LCD screen auto-rotation with Rack position (only for 10K-20K models)
- DSP technology guarantees high performance
- Output power factor 1
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- Generator compatible
- Supports dual AC inputs
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers for long-run model
- Parallel operation with common battery
- Optional isolation transformer offers full isolation and complete common mode noise rejection



**Shenzhen UPSen Electronic CO.,Ltd.**

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# Technical Specification:

MODEL	33RM 10KL	33RM 20KL	33RM 30KL	33RM 40KL	33RM 60KL
PHASE	3-phase in / 3-phase out				
CAPACITY	10KVA/10KW	20KVA/20KW	30KVA/30KW	40KVA/40KW	60KVA/60KW
PARALLEL CAPABILITY	4				
<b>INPUT</b>					
Nominal Voltage	3 x 400 VAC (3Ph+N)				
Voltage Range	190-520 VAC (3-phase) @ 50% load , 305-478 VAC (3-phase) @ 100% load				
Frequency Range	46-54 Hz or 56-64Hz				
Power Factor	= 0.99 @ 100% load				
<b>OUTPUT</b>					
Output Voltage	3 x 390 / 390 / 400 / 415 VAC (3Ph+N)				
AC Voltage Regulation (Batt. Mode)	± 1%				
Frequency Range (Synchronized Range)	46-54Hz or 56-64Hz				
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz				
Current Crest Ratio	3:1 (max.)				
Harmonic Distortion	≤ 2 % THD (Linear Load) , ≤ 5 % THD (Non-linear Load)				
Transfer Time	AC mode to Battery mode	zero			
	Inverter to Bypass	zero			
Waveform (Batt. Mode)	Pure Sine Wave				
Overload	AC Mode	100-110% for 60 min, 110-125% for 10 min, 125%-150% for 1 min; >150% immediately			
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, 125%-150% for 1 min; >150% immediately			
<b>EFFICIENCY</b>					
AC Mode	95.5%				
ECC Mode	98.5%				
Battery Mode	94.5%				
<b>BATTERY</b>					
Battery Type	Depending on the applications				
Numbers	20 pcs				
Charging Current (max.)	1A - 12A (Adjustable)			1A - 16A (Adjustable)	1A - 18A (Adjustable)
Charging Voltage	+13.65 VDC x N (N=10)		+13.65 VDC x N(N=16-20)		
<b>ALARM</b>					
Battery Mode	Sounding every 4 seconds				
Low Battery	Sounding every second				
Overload	Sounding twice every second				
Fault	Continuously sounding				
<b>PHYSICAL</b>					
Dimension, D * W * H (mm)	660*438*133 [3U]			680*438*133 [3U]	797*438*176 [4U]
Net Weight (kgs)	26	28	40	40	45
<b>ENVIRONMENT</b>					
Operation Temperature	0-40°C				
Operation Humidity	≧95% and non-condensing				
Noise Level	Less than 62dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 70dB @ 1 Meter	
<b>MANAGEMENT</b>					
Smart RS-232/USB	Supports Windows® family, Linux and MAC				
Optional SNMP	Power management from SNMP manager and web browser				
*When output voltage is set as 3 x 360VAC, the output power of the unit will be de-rated to 90%.					
*Product specifications are subject to change without further notice					