



# 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 15KL	33RM 20KL	33RM 30KL	33RM 40KL	33RM 60KL
PHASE	3-phase in / 3-phase out					
CAPACITY	10KVA/10KW	15KVA/15KW	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 360*/380/400/415 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%					
ECO Mode	98.5%					
Battery Mode	94.5%					
<b>BATTERY</b>						
Battery Type	Depending on the applications					
Numbers	20 pcs	32~40 pcs (Adjustable)				
Charging Current (max.)	1A ~ 12A (Adjustable)				1A ~ 16A (Adjustable)	1A ~ 18A (Adjustable)
Charging Voltage	+/-13.65 VDC x N (N=10)	+/-13.65V 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)	680*438*133 [3U]			797*438*176 [4U]		
Net Weight (kgs)	26	28	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 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						