

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



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						
INPUT								
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						
OUTPUT								
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						
EFFICIENCY								
AC Mode		95.5%						
ECO Mode		98.5%						
Battery Mode		94.5%						
BATTERY								
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)					
ALARM								
Battery Mode		Sounding every 4 seconds						
Low Battery		Sounding every second						
Overload		Sounding twice every second						
Fault		Continuously sounding						
PHYSICAL								
Dimension, D * W * H (mm)		680*438*133 [3U]				797*438*176 [4U]		
Net Weight (kgs)		26	28	28	40	40	45	
ENVIRONMENT								
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		
MANAGEMENT								
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								