

RM33 Low Frequency Series (Standard Version)



300-800K Standard Version Product Parameters

Model RM33-	300K	400K	500K	600K	800K
capacity	300kVA	400kVA	500KVA	600KVA	800kVA
input	Wiring method	3Ph+N+PE			
	rated input voltage	380/400/415Vac±25%			
	Input frequency range	45-55Hz/55-65Hz			
	Power factor	≥0.97			
Bypass	Wiring method	3Ph+N+PE			
	Input frequency	50/60Hz			
Output	Frequency range	±2 (±0.5, ±1, ±2, ±3 optional)			
	rated output voltage	380/400/415Vac±1%			
	output frequency	automatic tracking of input frequency			
	Waveform	Sine wave			
	Power factor	0.8 or 0.9			
	output voltage harmonics	≤1%(100% linear load)			
	overload capacity	Bypass activation at ≤110% load for 60 minutes; at ≤125% load for 10 minutes; and at ≤150% load for 1 minute.			
crest factor	3:1 (MAX.)				
Efficiency	≥93%				
BatteryInput voltage	360-408Vdc(300 -400K), 480Vdc(500 -800K)				
Display	Input and output voltage, frequency, capacity, battery voltage, current, battery status, load percentage, UPS status, record				
Communication	RS232 , RS485 、 dry contact 、 SNMP (optional)				
Environment	Operating temperature	0 ~ 40°C			
	storage temperature	-25-55(No battery included)			
	Altitude	< 1000m (non-condensable)			
	Relative humidity	0 ~ 95% (non-condensing)			
Noise (1 m in front)(dB)	<72dB(300 -400K) 、 < 75dB(500 -800K)				
Dimensions (L×W×H) mm	300/400K:1000*1400*1900(6 pulse) 300/400K:1000*1640*1900(12 pulse)		500K:1000*2580*1900 (12 pulse)	600/800K:1040*2800*1900(12 pulse)	
	Weight (kg)	300K:1560(6 pulse) 300K:2395(12 pulse)	400K:1640(6 pulse) 400K:2510(12 pulse)	500K:3510(12 pulse)	600K:3950(12 pulse)
Implementation standard	EN62040-1、EN62040-2、EN62040-3、YD/T1095-2018				

Note:Specifications are subject to change without prior notice.

Product Introduction

The 300-800 kVA model is an industrial-frequency online 3:3 UPS that adopts highly reliable thyristor phase-controlled rectifiers and IGBT inverter technology to achieve maximum reliability. Featuring three-phase input and three-phase output with an output isolation transformer, this UPS is available in a wide range of models from 300 kVA to 800 kVA.

Application Scenarios

Suitable for docks, mines, highways and other mission-critical applications in high-temperature and harsh environments.

Product Features

- | Full digital control; high stability
- | Rectifier + IGBT inverter; 380/400/415 V, 50/60 Hz
- | PF up to 0.9; >10% higher load capability
- | Wide input voltage/frequency range
- | Digital current sharing; parallel up to 8 units
- | Strong overload / short-circuit capability
- | Smart battery management with undervoltage protection
- | Zero-transfer static switch; PLL sync for seamless bypass
- | Surge + over/under-voltage output protection
- | N+1 redundancy; sealed air duct + redundant fans
- | Multilingual LCD with logs and battery info
- | Supports 12 languages (incl. Chinese/English)