

# FR-33 SERIES

10 - 400 kVA

On-Line

Low Frequency

3PH - 3PH



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10 - 400 kVA

## Main Features

- Full Digital Control with 3 DSP Controllers
- Battery Autonomy Calculator
- Advanced Monitoring System
- Wide Input Voltage Range
- Automatic Static Bypass
- Cold Start Function
- Auto Restart Function
- Full Automatic Protection
- Advanced Battery & Charger Management
- Manual Output Voltage Adjustment
- Split Bypass Function
- Password Protection
- 12 Pulse Rectifier (Optional)
- Battery Capacity Adjustment Function
- Automatic Diagnostic
- Bus Fuse Detector
- Advanced Monitoring System
- Emergency Power Off Function (EPO)
- Advanced Parallel Technology (Optional)
- Battery Reverse Connection Protection
- Battery Open Loop Alarm
- Generator Compatible
- UPS Management Software
- Output Isolation Transformer
- StartUp Self Check
- Intelligent Battery Monitoring System (Optional)
- 3Phase UPS Allow 100% Unbalance
- ECO Mode (Optional)

مشخصات



مشخصات فنی . Technical Specifications

MODEL	FR 3310	FR 3320	FR 3330	FR 3340	FR 3350	FR 3360	FR 3380	FR 33100	FR 33120	FR 33160	FR 33200	FR 33300	FR 33400	مدل												
INPUT	Voltage (Vac)													380 ± 25%	دامنه ولتاژ											
	Frequency (Hz)													40 ~ 70	دامنه فرکانس											
	Sync Frequency													50/60 ± 5% ( ± 10% optional)	محدوده فرکانس همزمان											
	Phase													Three Phase : Four Wires + PE	فاز											
OUTPUT	Power (kVA/kW)	10/8	20/16	30/24	40/32	50/40	60/48	80/64	100/80	120/96	160/128	200/160	300/240	400/320	توان											
	Phase													Three Phase : Four Wires + PE	فاز											
	Voltage (Vac)													L-N : 220/230 ± 1%, L-L : 380/400 ± 1%	دامنه ولتاژ											
	Frequency (Vac)													50/60 ± 0.2% (Battery Mode)	دامنه فرکانس											
	Wave Form													Pure Sine Wave , THD < 3% (Linear Load)	شکل موج											
	Voltage Stability													≤ 2%, allow 100% unbalance	پایداری ولتاژ											
BATTERY	Voltage (Vdc)													348 / 360 (Adjustable)	ولتاژ											
	Battery Type													29 × 12V	نوع باتری											
	Charger Current(A)Max													10 ~ 40 A Setting	20 ~ 80 A Setting	حداکثر جریان شارژر										
	Battery Testing													Automatically alarm and estimate battery status in battery abnormal status		تست باتری										
OTHERS	Manual Bypass													Yes	بای پس دستی											
	Communication Port													RS232/RS485 , Dry Contact (MODBUS and SNMP adapter are optional)		درگاه ارتباطی										
	Display													LCD Displays Input Voltage, Output Voltage, Load Capacity, Battery Voltage, Etc. LED indicates running status		نمایشگر										
	Alarm													Overload, Abnormal AC input, Low Battery, UPS Failure		هشدارها										
	Protection													Low Battery, Overload, Short-Circuit, Over Temperature, Output Low Voltage, Output Over Voltage		حفاظت ها										
	Noise (dB)													< 65	نویز صوتی											
	Temperature													0 ~ 40° C		دمای کارکرد										
	Humidity													0 ~ 95 % ( No Condensation )		رطوبت محیط										
	Dimension(W×D×H) mm													500 × 800 × 1180	800 × 800 × 1600	1000 × 800 × 1800	1600 × 1000 × 1800	2200 × 1000 × 2000	ابعاد(میلیمتر)							
Weight (Kg)													200	240	290	450	470	490	690	725	775	905	1190	2350	2580	وزن(کیلوگرم)