

# FEHR33 SERIES

## RACK ONLINE UPS 10-40KVA (380V/400V/415V)

The FEHR33 Series Rack is double conversion online UPS with fully DSP controlled technology. With its flexible configuration of 3/3 and 3/1, compact design, it's the ideal choice for modern data center.



### Features

- **Rack Design**  
Rack design, compatible with 19" standard rack cabinet, convenient to be integrated with servers
- **Friendly Interface**  
5.5" touch color LCD with graphic display, more information displayed and easier for customer to operate
- **Flexible configuration**  
The system of 10kVA and 20kVA can be configured to 3/3 and 3/1
- **Intelligent charging management**  
The system intelligently control the whole process of the charging and discharging, effectively improving the life time of the battery

## Specification

MODEL		FE HR33010CL	FE HR33015CL	FE HR33020CL	FE HR33025CL	FE HR33030CL	FE HR33040CL	
System Capacity		10kVA/10kW	15kVA/15kW	20kVA/20kW	25kVA/25kW	30kVA/30kW	40kVA/40kW	
Input	Dual Input	Standard						
	Phase	3 Phase+Neutral+Ground, 380V/400V/415V(line-line)						
	Input Voltage Range	304~478Vac (line-line), full load; 228V~304Vac (line-line), load decreases linearly according to the min phase voltage						
	Rate Frequency	50/60Hz						
	Input Frequency Range	40Hz~70Hz						
	Input PF	>0.99						
	Input THDi	<4% (100% Linear load)			<3% (100% Linear load)			
Bypass	Rate Voltage	<3% (100% Linear load)						
	Rate Frequency	50/60Hz						
	Input Voltage Range	Settable, -40%~+25%						
	Bypass Frequency Range	Settable, ±1Hz, ±3Hz, ±5Hz						
	Bypass Overload	125% long term operation; 130% for 10 mins; 150% for 1 min, >150% for 1s						
Output	Rate Voltage	380/400/415Vac (line-line)						
	Voltage Regulation	1% for balance load; 1.5% for unbalance load						
	Rate Frequency	50/60Hz						
	Frequency Precision	0.1%						
	Output PF	1						
	Output THDu	<1%, Linear load; <5.5%, Non-linear load			<1.5%, Linear load; <6%, Non-linear load			
	Crest Factor	3:1						
	Inverter Overload	110% for 1 hour; 125% for 10 mins; 150% for 1 min; >150% for 200 ms						
Battery	Voltage	±240Vdc						
	Battery Number	40pcs (Settable: even number from 32 to 44)						
	Voltage Precision	±1%						
	Charge Power	up to 20% * Output active power						
	Battery Cold Start	Standard						
System	Efficiency	AC Mode	95%	95.5%	96%			
		ECO Mode	98%					
		Battery Mode	94.5%	95%	95.5%			
	Display	LCD + LED + keyboard						
	IP Class	IP 20						
	Interface	RS232 for 10-25kVA, USB for 30-40kVA, RS485, Programmable Dry Contact						
	Option	LBS for HR33020CL and HR33025CL, SNMP Card, Parallel kit						
	Temperature	Operation: 0~40 °C Storage: -40~70 °C						
	Relative Humidity	0~95% Non-condensing						
	Altitude	<1000m. Within 1000m to 2000m, 1% power derating for every 100m rise						
	Noise (1 meter)	65dB @ 100% load, 62dB @ 45% load						
	Applicable Standards	Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3						
Physical	Weight (kg)	25	30	41				
	Dimension W*D*H(mm)	438*780*130	438*780*130	438*700*174				