

## HR33 Series Rack Online UPS

10-40kVA (380V/400V/415V)

The HR33 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.



### Application

IDC(Internet Data Center), network servers and workstation, control system, communication system, office, PC etc

### 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 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	HR33010CL	HR33015CL	HR33020CL	HR33025CL	HR33030CL	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					
Bypass	Input THDi	<4% (100% Linear load)	<3% (100% Linear load)				
	Rate Voltage	380/400/415Vac (line-line)					
	Rate Frequency	50/60Hz					
	Input Voltage Range	Settable, -40% ~ +25%					
	Bypass Frequency Range	Settable, ±1Hz, ±3Hz, ±5Hz					
Output	Bypass Overload	125% long term operation; 130% for 10 mins; 150% for 1 min, >150% for 1s					
	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					
Battery	Inverter Overload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms					
	Voltage	±240Vdc					
	Battery Number	40pcs (Settable: even number from 32 to 44)					
	Voltage Precision	±1%					
System	Charge Power	up to 20% * Output active power					
	Battery Cold Start	Standard					
	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, RS485, Programmable Dry Contact					
	Option	LBS for HR33020CL and HR33025CL, SNMP Card, Parallel kit, USB					
	Temperature	Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C					
Relative Humidity	0 ~ 95% Non-condensing						
Physical	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					
	Weight (kg)	25	30	41			
Dimension W*D*H (mm)	438*780*130	438*780*130	438*700*174				