



FEHR11 SERIES

RACK ONLINE UPS 1-10KVA (220V/230V/240V)

FEHR11 series, ranging from 1kVA to 10kVA, is double conversion online rack UPS with fully DSP controlled technology of pure sine wave. The single phase of 6-10kVA UPS applies the advanced 3-level technology, achieving a efficiency up to 98%. With its compact design of high power density (kW=kVA) in 2U height, FEHR11 series makes it ideal choice for computers, telecommunication equipment and other sensitive devices.



Features

Common features for 1-10kVA

- Wide input voltage range (90 - 288 Vac) and frequency range (40 - 70Hz)
- 19" standard cabinet and battery cabinet
- Full protection of overvoltage, circuit short and over temperature
- LCD/LED display, monitoring all the operation status
- Automatic fan speed adjustment
- Abundant interface: RS232, USB, SNMP, Intelligent Card
- Active power factor correction (APFC), input power factor up to 1

Unique features for 6-10kVA

- High efficiency 95% (up to 98% in ECO mode)
- kVA=kW, output PF=1
- Intelligent charging management, effectively improving the life time of battery
- 3 level of technology, compatible with complicated load

Specification

MODEL	FEHR1101S	FEHR1102S	FEHR1103S	FEHR1106XS	FEHR1110XS
	FEHR1101L	FEHR1102L	FEHR1103L	FEHR1106XL	FEHR1110XL
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA
Input voltage range	110Vac-288Vac				
	100% load@>176Vac; 80% load@>154Vac 70% load@>132Vac; 50% load@>110Vac			100% load@>176Vac; 90% load@>160Vac 80% load@>140Vac; 60% load@>110Vac	
Input frequency	40-70Hz				
Input PF	≥0.99			≥ 1	
Voltage regulation	±1 %				
Output frequency	50/60Hz				
Output PF	0.9			1.0	
Overload capability (Inverter mode)	105%-130%: to bypass 1 min; 150%: to bypass after 30 sec			110%:for 10 min;125%:for 1min ; 150%: for 30 sec	
Overload capability (Battery mode)	105%-130%: shutdown after 10 sec; 150%: shutdown after 5 sec			110%: shut down after 1 min; 130%: shut down after 10 sec; >130%: shut down after 200 ms	
Crest factor	3:1				
Efficiency	87%	91%	95%	98%	
Display	LED+LCD				
Battery voltage	36Vdc	72Vdc	96Vdc	192Vdc	
Battery type/number	12V,7Ah*3	12V,7Ah*6	12V,7Ah*8	12V,7Ah*20	12V,9Ah*20
	External				
Interface	RS232, EPO				
Optional	USB, SNMP, Dry contacts			USB, SNMP, ECO kit, Dry contacts, Battery cabinet	
Operation temperature	0-40 °C				
Relative humidity	0-95% (non-condensing)				
W*D*H(mm)	440*430*86	440*480*173	440*480*173	440*660*173	
	440*430*86	440*480*86	440*480*86	440*550*86	
Weight(kg)	11.5	25	31	59	67
	7	8	9.5	17.5	20.5