

## Technical Specifications

Model Type	HF 1101IB HF 1101L2 HF 1101L3	HF 1102IB HF 1102L4 HF 1102L8	HF 1103IB HF 1103L6 HF 1103L8	HF 1105IB HF 1105L8 HF 1105L10	HF 1106IB HF 1106L16 HF 1106L20	10K (1-1) HF 1110L16 HF 1110L20	10K (3-1) HF 3110L16 HF 3110L20
<b>Input</b>							
Power factor & THDi	>0.99 , THDi < 3% ( at full load)						
Voltage range(V)	(110-300 at : 50% Load ) (160-300:100% Load)		(160-300:100% Load)		(277-485 at 75% Load)		
Frequency range(Hz)	50/60 ± 6% (50/60 Hz settings)						
<b>Output</b>							
Power(VA)	1000	2000	3000	5000	6000	10000	10000 & 20000
Power factor	0.7 (standard), 0.8/0.9 (option), (0.8 standard in case of L2, L4, L6 Models)						
Voltage(V) ,Frequency(Hz)	220/230/240 ± 1% , 50/ 60 ± 0.5% (Battery mode)						
Efficiency	Up to 93%						
Overload	105%~130% for 60 seconds. 131%~150% for 30 seconds. >150% for 300 ms						
<b>Battery</b>							
Battery voltage(VDC)	24/36	48/96	72/96	96/120/192/240		192/240	
Charger current(Max)	4 ~ 7 Amp Standard						
Recharge Time	<8 hours to 90%						
<b>Other Features</b>							
Communication	RS232 port supports UPS power management software or UPSilon2000						
SNMP(option)	power management from SNMP manager and Web browser						
USB(option)	windows family						
Alarm	Battery low voltage, abnormal power supply, UPS failure						
Protection	Protection for battery low voltage, overload, short-circuit and over temperature						
Noise (dB),Temperature & RH	< 45 dB(1 meter) , 0 ~ 40°C, 0 ~ 95%, No condensation						

Model	Weight (in kg)	Dimension (WxDxH) mm	Model	Weight (in kg)	Dimension (WxDxH) mm	Model	Weight (in kg)	Dimension (WxDxH) mm
HF1101L02	5	146x400x205	HF1103L08	20	191x497x339	HF1106L08	14.3	190x426x318
HF1101IB	9.5	146x400x205	HF1103IB	35	191x479x339	HF1106L16	18.4	240x500x460
HF1101L03	7.5	144x419x215	HF1105L08	14.3	190x426x318	HF1106L20	32	253x637x700
HF1102L04	9	145x397x220	HF1105L10	20	213x462x340	HF1106IB	75	253x637x700
HF1102IB	17.5	145x397x220	HF1105L16	20	240x500x460	HF1110L16	20	240x500x460
HF1102L08	20	191x479x339	HF1105L20	32	253x637x700	HF1110L20	34	253x637x700
HF1103L06	13	190x421x318	HF1105IB	74	213x462x340	HF1110IB	78	253x637x700
			HF3110IB	86	253x637x700	HF3110L20	35	253x637x700