

Mode	HT33010XL	HT33010XS	HT33015XL	HT33015XS	HT33020XL	HT33020XS	HT33030XL	HT33030XS	HT33040XL	HT33040XS
Main Input										
Grid System	3 Phases + Neutral + Ground									
Rated Input Voltage	380/400/415VAC (Line-Line)									
Rated Frequency	50/60Hz									
Input Voltage Range	304~478Vac (Line-Line),full load; 228V~304Vac (Line-Line),load decreases linearly according to the min phase voltage									
Input Frequency Range	40Hz ~ 70Hz									
Input Power Factor	≥0.99									
Input Current THDi	<4% (full Linear Load)				<3% (full Linear Load)					
Bypass Input										
Rated Bypass Voltage	380/400/415VAC (Line-Line)									
Rated Frequency	50/60Hz									
Bypass Voltage Range	Selectable, default -20% ~ +15%; Upper limit: +10%, +15%, +20%, +25%; Lower limit: -10%, -15%, -20%, -30%, -40%									
Bypass Frequency Range	Selectable, ±1Hz, ±3Hz, ±5Hz									
Bypass Overload	125% Long term operation; 125%~130% for 10min; 130%~150% for 1min;									
Output										
Rated Inverter Voltage	380/400/415VAC (Line-Line)									
Rated Frequency	50/60Hz									
Output Power Factor	1				0.9					
Voltage precision	±1.5%(0-100% linear load)									
Transient Response	<5% for step load (20% - 80% -20%)									
Transient recovery	< 30ms for step load (20% - 100% -20%)									
Output Voltage THDu	<1% (linear load); <5.5% (non-linear load) according to IEC/EN62040-3				<1% linear load; <6 (non-linear load) according to IEC/EN62040-3					
Inverter Overload	<110%, 60min; 110%~125%,10min; 125%~150%,1min;									
Frequency Regulation	50/60Hz±0.1%									
Synchronized Range	Settable, ±0.5Hz ~ ±5Hz, default ±3Hz									
Synchronized Slew Rate	Settable, 0.5Hz/S ~ 3Hz/s, default 0.5Hz/s									
Battery And Charger										
Battery Rate Voltage	±240VDC									
Charger Voltage precision	1%									
Charger Power	max=20% System Power									
Efficiency										
Normal Operation	95%max				>95%			>96%		
Battery Operation	94.5%max				>95%			>96%		
System										
Display	LED + LCD									
Interface	Standard: RS232, RS485 Option: SNMP, Dry Contact, Parallel kit, Battery cold start									
Environmental										
Operation Temperature	0 ~ 40 °C									
Storage Temperature	-40 ~ 70 °C									
Relative Humidity	0 ~ 95% (Non condensing)									
Noise (1 meter)	58dB @ 100% load, 52dB @ 45% load				65dB @ 100% load, 62dB @ 45% load					
Physical data										
Dimension (W*D*H,mm)	250*660*530	250*840*715	250*660*530	250*840*715	250*680*770	350*738*1335	250*680*770	350*738*1335	250*836*770	500*840*1400
Weigh(Kg)	31	51.5 (without battery)	31	51.5 (without battery)	50	89 (without battery)	52	89 (without battery)	61	140