

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, $\pm 1\text{Hz}$, $\pm 3\text{Hz}$, $\pm 5\text{Hz}$										
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	$\pm 1.5\%$ (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 $\pm 0.1\%$										
Synchronized Range	Settable, $\pm 0.5\text{Hz} \sim \pm 5\text{Hz}$, default $\pm 3\text{Hz}$										
Synchronized Slew Rate	Settable, 0.5Hz/S $\sim 3\text{Hz/s}$, default 0.5Hz/s										
Battery And Charger											
Battery Rate Voltage	$\pm 240\text{VDC}$										
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	