

Mode	HT33010XL	HT33010XS	HT33015XL	HT33015XS	HT33020XL	HT33020XS	HT33030XL	HT33030XS	HT33040XL	HT33040XS						
<b>Main Input</b>																
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)											
<b>Bypass Input</b>																
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;															
<b>Output</b>																
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															
<b>Battery And Charger</b>																
Battery Rate Voltage	±240VDC															
Charger Voltage precision	1%															
Charger Power	max=20% System Power															
<b>Efficiency</b>																
Normal Operation	95%max				>95%				>96%							
Battery Operation	94.5%max				>95%				>96%							
<b>System</b>																
Display	LED + LCD															
Interface	Standard: RS232, RS485 Option: SNMP, Dry Contact, Parallel kit, Battery cold start															
<b>Environmental</b>																
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											
<b>Physical data</b>																
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						