



Power range: 6 & 10 KVA

MODEL	6kVA	10kVA	
AC INPUT	Capacity (VA/Watts)	6k / 5.4k	10k/ 9k
AC INPUT	Input	Single phase & Ground	
	Power factor	≥ 0.99 (input THDV $\leq 1\%$)	
	Rated voltage	220Vac / 230Vac / 240Vac	
	Rated frequency	50Hz/60Hz Automatically selected	
	Voltage range	110~286Vac	
	Frequency range	40~70Hz	
	Bypass voltage range	220Vac max: default +25% (+10% ,+15% , 20% , 25%) 230Vac max: default +20% (+10% ,+15% , 20%) 240Vac max: default +15% (+10% ,+15%) min: default-45%(-20%, -30% , -45%, ,)	
	Bypass frequency range	$\pm 1\%$ 、 $\pm 2\%$ 、 $\pm 4\%$ 、 $\pm 5\%$ 、 $\pm 10\%$	
	THDI	$\leq 3\%$ (100% liner load, input THDV $\leq 1\%$) $\leq 5\%$ (100% non liner load, input THDV $\leq 1\%$)	
BATTERY	Battery number	16/18/20 Pcs. Can be set	
AC OUTPUT	Battery type	VRLA	
	Charge model	Boost charge or float charge auto switch	
	Charge time	Boost charge up to 20Hr(Max)	
	Charge current (MAX.)	10A(H) 1A(S)	
	Output type	Single phase & Ground	
AC OUTPUT	Voltage regulation	$\pm 1.0\%$	
	Voltage distortion(THD)	less than 2% at 100% liner load less than 5% at 100% non-liner load	
	Rated voltage	220V/230V/ 240Vac can be setted	
	Frequency regulation	$\pm 0.1\%$ (stand alone) $\pm 0.25\%$ (parallel operation)	
	Frequency	Utility mode: tracking mains frequency Battery mode: 50Hz/60Hz	
AC OUTPUT	Frequency track speed	1Hz/s (stand alone) 0.5Hz/s (parallel operation)	
	load capacity (Mains, drop a level in battery mode) (PF0.9)	105 %~ 110 %, lasts 1 hour 110%~125%,lasts 10 minutes 125%~150%, lasts 1 minute $>150\%$, switch to bypass immediately	
		$>150\%$, switch to bypass immediately	
		$>130\%$, switch to bypass immediately	
		$>130\%$, switch to bypass immediately	

	Overload for bypass	>95%, can not inverter-fed
		Load for a long time when rated output current under 125%
		Bypass load capacity is controlled by bypass circuit breaker, tripping when circuit breaker operating current.
	Crest factor	3:1
	Efficiency at AC	≥92%
	Dynamic respond	± 5.0% (100% balance load)
		≤5% in a cycle
	Inverter output current limit	When current instantaneous value is 2~3 times of rated current peaks (1.414 * rated power/(3*220)), the inverter will be conducted in each pulse current limit protection.
	DC component	≤200mV
	Between Normal and battery mode	0ms

Switch time	Between inverter and bypass	0ms	
		<15ms (50Hz), <13.33ms (60Hz)	
	Noise(1m)	<55dB	<58dB
	Display	LED+LCD	
	Safety	Meeting IEC62040-1, GB4943	
	Max input voltage	320Vac, 1 hour (static)	
	EMI	Conduction : IEC 62040-2	
		Radiation : IEC 62040-2	
		Harmonics : IEC 62040-2	
	EMS	IEC 62040-2	
	Isolation resistance	> 2MΩ (500Vdc)	
	Isolation intension	2820Vdc, <3.5mA, 1min	
	Surge	Meeting IEC60664-1 1.2/50uS+8/20uS 6kV/3kA.	
	Protection	IP20	
	Parallel circumfluence	1+1≤8%, N+1≤3%	
	Parallel equal current	1+1≤8%, N+1≤10%	
	Model	6kVA-10kVA series	
	Temperature	0°C~40°C	
	Relative humidity	0~95% non-condensing	
	Altitude	<1500m. when >1500m, lower the rated power for use	



Mechanical Characteristics		
Height	mm	337
Width	mm	191
Depth	mm	460
Net weight	kg	6K/10K:13/14.5