

Technical Specifications

MODEL	SH-600	SH-800	SH-1000	SH-1500	SH-2000	SH-3000	SH-4000	SH-5000	SH-7500	SH-10000
CAPACITY (kVA / kW)	0.6 / 0.48	0.8 / 0.64	1 / 0.8	1.5 / 1.2	2 / 1.6	3 / 2.4	4 / 3.2	5 / 4	7.5 / 6	10 / 8

LINE MODE

Input

Nominal Input Voltage	220Vac									
Operating Voltage Range	145 ~ 285Vac (UPS mode)					190 ~ 260Vac (UPS mode)				
	120 ~ 300Vac (Inverter mode)					160 ~ 265Vac (Inverter mode)				
Operating Frequency Range	38~70Hz									
Output										
Voltage	200 ~ 240Vac (UPS mode)					190 ~ 260Vac (UPS mode)				
	180 ~ 255Vac (Inverter mode)					160 ~ 265Vac (Inverter mode)				
Frequency Range	Same as Mains									
Waveform (Mains, Mode)	Tracking Mains									
Efficiency	>95%(Full R load, battery full charged)									
Transfer Time	UPS mode (High sensitivity): 8ms typical, 15ms Max.									
	Inverter mode (Low sensitivity): 140ms Max. (Slow start)									

BACKUP MODE

Output

Voltage	220Vac (± 5%)									
Frequency Range	50 ± 1Hz									
Waveform (Batt. Mode)	Pure Sine Wave									
Efficiency	≥ 80%	≥ 80%	≥ 82%	≥ 83%	≥ 85%	≥ 85%	≥ 86%	≥ 86%	≥ 89%	≥ 89%

AC CHARGER

Charging Algorithm	3-Step Charging										
Maximum Charging Current	10A / 20A Selectable					20A / 40A Selectable					
Battery Voltage	12Vdc		24Vdc				48Vdc		120Vdc	180Vdc	
Floating Charging Voltage	13.8Vdc	13.8Vdc	27.6Vdc	27.6Vdc	27.6Vdc	27.6Vdc	55.2Vdc	55.2Vdc	138Vdc	207Vdc	
Over Charging Voltage	15.0Vdc	15.0Vdc	30Vdc	30Vdc	30Vdc	30Vdc	60Vdc	60Vdc	150Vdc	225Vdc	

PROTECTION

Full Protection	Overload, over-charged, over-discharged, over-temperature, short-circuit protection									
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ALARM

Battery Mode	Beep 1 time/10s, mute after 3min									
Battery Low	Beep 2 times/s									
Overload	Beep 4 times in 2s									
UPS startup	Beep for 2s									
Fault	Continuously sounding									

PHYSICAL

Dimension (D × W × H) mm	272 × 285 × 165		313 × 295 × 189		352 × 220 × 358		452 × 260 × 418		540 × 260 × 485	
Packing (D × W × H) mm	380 × 375 × 255		420 × 384 × 275		435 × 306 × 448		535 × 346 × 510		619 × 369 × 665	
Net weigh(kg)	11.4	13.4	15	18.5	26	28	38.5	44.5	56.5	59
Shipping weight(kg)	12.7	14.7	16.5	20	27	29	40	46	59.5	62

OPERATING ENVIRONMENT

Humidity	0~90% RH @ 0~40°C (Non-condensing)									
Noise Level	Less than 50dB									

Specifications subject to change without prior notice.