

MODEL	1KVAS	2KVAS	3KVAS
Capacity	1 kVA / 900 W	2 kVA / 1800 W	3 kVA / 2700 W
INPUT			
Rated voltage	100 /110 /115 /120 /127 Vac		
Voltage range	50 ~ 80Vac (linear derating between 50% and 100% load); 80 ~ 150Vac (no derating)		
Frequency range	40~70 Hz(auto-sensing)		
Power factor	≥ 0.99		
Bypass voltage range	- 25% ~ +15% (settable)		
Rated input frequency	50 Hz / 60 Hz (auto-sense)		
THDi	≤ 6%		
OUTPUT			
Voltage	100 /110 /115 /120 /127 Vac(settable via LCD)		
Voltage regulation	± 1%		
Frequency	45~55Hz or 55~65Hz(synchronized range); 50/60Hz ±0.1Hz (battery mode)		
Waveform	Sinusoidal		
Power factor	0.9		
THDv	≤ 2% (linear load), ≤ 5% (non-linear load)		
Crest factor	3:1		
Overload	108% ~ 127% for 1 min, 127% ~ 150% for 30 s, > 150% for 100 ms		
BATTERIES			
Battery type	Sealed lead acid maintenance free battery		
DC voltage	24V	48V	72V
Inbuilt battery	2 × 9 Ah	4 × 9 Ah	6 × 9 Ah
Charging current (max.)	1 A		
Recharge time	Standard model: 90% capacity restored in 4 hours		
SYSTEM CONTROL AND COMMUNICATIONS			
Efficiency	≥ 90% (Mains mode)		
	≥ 87% (Battery mode)		
	≥ 95% (ECO mode)		
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)		
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection		
Communication port	RS232 (standard), USB / RS485 / SNMP/ dry contacts (optional)		
Display	LCD + LED		
Operating humidity	0 ~ 95 % RH @ 0 ~ 40°C (non-condensing)		
Storage temperature	-25°C ~ 55°C (exclude batteries)		
Operating altitude	≤1000m, above 1000m, derating 1% for each additional 100 m		
IP rating	IP 20		
Noise level at 1m	≤ 50 dB		
Dimensions (W × D × H) (mm)	144×315×211	144×450×211	191×437×335
Packaged dimensions (W × D × H) (mm)	230×402×315	230×536×315	277×500×435
Net weight (kg)	9.9	17.6	26
Gross weight (kg)	10.9	19	27.5