

Technical Specification (1Ph I/P – 1Ph O/P) Online UPS.

Nominal input voltage	230 VAC (1 ϕ) 3 wire
Wide input voltage range	170 VAC to 270 VAC
Nominal input freq	50 Hz
Input freq range	45 Hz to 55 Hz
Accurate output voltage	230 VAC +/-1% line – neutral.
Accurate output freq	50Hz+/-0.1% (crystal controlled)
Input Power Factor	0.8 to 0.9
Output power factor	0.8 lagging to Unity
UPS rating	(1-10)KVA
Transient response	For 100% step load change output stays within +/-5% and recovers within 10-20msecs.
Technology	Micro- controller based PWM, IGBT
Output waveform	Pure sine wave
Output overloading	100% for continuous 120% for 15mins 150% for 30secs
Crest factor	3:1
Inverter efficiency	Greater than 90%
Operating temp	0 To 55 deg C
Humidity range	95%Rh (non condensing)
Total harmonic distortion	Less than 5% at non-linear load
Isolation	Total isolation of output from input to protect from spikes and surges. (Provide dedicated Earthing)
Genset compatible	Yes
Alarms warning	Mains fail, Batt low, DC over, DC under, o/p AC over, O/p over load, O/p AC under
Audible noise	Less than 65 db at 1 meter
Chassis Color	Siemens Grey
Chassis design	IP-21
Cooling facility	Forced air cooling, Fans and Blowers
Safety protections	Output over voltage Output under voltage Output overload Output short circuit