

Technical Specifications

	Model	S600D 10KVA	S600D 20KVA	
	Rating	10kVA (3in - 1out)	20kVA (3in - 1out)	
Input	Rated voltage	400vac 3-phase,4 wire	400Vac 3-Phase,4 wire	
	Volatge Range	176 -288VAC at 100% load; 100VAC - 288VAC at 50% load		
	Rated Frequency	50Hz/60Hz		
	Frequency Range	40Hz ~ 70Hz		
	Power factor	≥0.95 at full load		
	Input phase reversal correction	Yes	No	
Output	Rated power	10KVA/10kW	20KVA/20kW	
	Voltage	220/230/240VAC (single phase)		
	Frequency synchronization range	Rated frequency±3Hz. Configurable range: ±0.5Hz ~ ±5Hz		
	Rated Power Factor	Unity		
	Crest Factor	3 : 1		
	Voltage harmonic distortion	< 2% (linear load)		
	Voltage Regulation	2%		
	Dynamic response recovery time	60ms	40ms	
	Isolation transformer	Inbuilt at UPS output		
	Inverter Overload Capability the utility mode	At 25°C: 105% ~ 125%- 5min; 125% ~ 150%-1min; 150%- more than 200ms		
	Inverter Overload Capability the battery mode	At 25°C :105% ~125%-60~ 30 s; >125%- more than 200ms		
Bypass	Bypass Voltage range	Upper limit: +10%, +15% or +20%; default: +20%		
		Lower limit: -10%, -20%, -30% or -40%; default: -40%		
	Seprate bypass	Yes		
	Manual bypass	Inbuilt		
Efficiency	ECO Mode	> 94%	> 94%	
	Online mode (AC-AC)	> 91%	> 91%	
	Inverter Efficiency(DC-AC)	88%	88%	
Battery	Type	Sealed, lead-acid,Tubular,LI-ION		
	No's of Batteries	12 ⁽¹⁾ , 16, 20; 16 by default	24 ⁽¹⁾ , 32, 40; 32 by default	
	Battery Fuse disconnecter	Inbuilt		
	Battery charging capacity	8A	13A	
Transfer Time	Mains - Battery	0ms		
	Inverter- Bypass	Synchronous transfer: ≤0ms		
		Asynchronous transfer (default): ≤20ms		
UPS Parallel Numbers		4		
Noise		<65db		
Panel display mode		Graphical LCD display		
Ambient Conditions	Operating temperature	0°C ~ 50°C ⁽²⁾		
	Storage temperature	-40°C ~ +70°C (battery excluded); -25°C ~ +55°C (battery included)		
	Relative humidity	5%RH ~ 95%RH, non-condensing		
	Altitude	≤3000m; derating when higher than 3000m		
Machanical parameter	W*D*H (mm)	550 X 620 X 700	550 X 620 X700	
	Weight (Kg)	138	158	
	Ventilation	Forced -air cooled		
	Ingress protection	IP21		
	Color	Powder coated Black Texture finish		
	Cable entry	Bottom		

Note :
 (1) UPS power will derate to 70% of the total capacity
 (2) UPS power will derate to 80% at 40deg, 70% at 50deg
 *conditions apply