

# SAFEPOWER S - UL

## Technical Data

Model UPS	S – UL 10kVA	S – UL 15kVA	S – UL 20kVA
Capacity	10kVA / 9kW	15kVA / 13,5kW	20kVA / 18kW
<b>INPUT PARAMETERS</b>			
Phase	3 Phase 4 Wires and Ground		
Rated Voltage	208/120/, 220/127Vac		
Voltage Range	72/125~160/275Vac		
Frequency Range	40Hz-70Hz		
Power Factor	≥0.99		
Current THDi	3% (100% non-linear load)		
By-pass Voltage Range	Max.voltage: +15%(optional +10%/+20%/+25% ) Min. voltage: -20% (optional -10%/-30%/-40%)		
By-pass Frequency Range	±10%		
Generator Input	Support		
<b>OUTPUT PARAMETERS</b>			
Phase	3 Phase 4 Wires and Ground		
Rated Voltage	208/120, 220/127Vac		
Power Factor	0.9		
Voltage Regulation	±1%		
Frequency Utility Mode	±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency		
Frequency Battery Mode	(60±0.2%)Hz		
Crest Factor	3:1		
THD Vout	≤2% with linear load ≤5% with non linear load		
Transfer Time	Utility to Battery : 0ms; Utility to bypass: 0ms		
Protection Overload AC Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150% change to bypass immediately		
Protection Overload Battery Mode	Load≤110%: last 10min, ≤125%: last 1min, ≤150%: last 5S, >150% shut down UPS immediately		
Protection Overload By-pass Mode	Breaker 40A	Breaker 63A	Breaker 80A
Protection Short Circuit	140A peak	164A peak	
Protection Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS		



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<b>BATTERY</b>			
Voltage	Standard unit: ±120Vdc (20pcs 12V9AH); (2x20pcs 12V9AH optional) Long run unit : ±96V/±108V/±120 Vdc (16/18/20pcs optional)	Standard unit: ±120Vdc (3x20pcs 12V9AH); Long run unit Optional Voltage: ±96V/±108V/±120Vdc (16/18/20pcs optional)	
Charge Current(A) (charge current can be set according to battery capacity installed)	Standard unit: 1.35A (2.7A optional) Long run unit: Max. current 10°	Standard unit: 4.5A Long run unit: Max. current 10A	



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