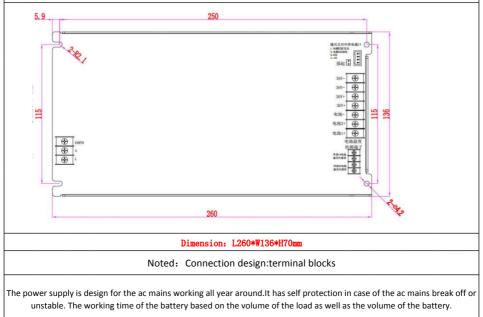
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	~	and the second s				
·	NUTR - PER	and a second				
MSD-AC9	0036E	-		Storage an Model	d working condition MSD-AC90036E	
	++	Manufacturer		Working tem. Storage tem.	-20℃~55℃ -40℃-+85℃	
4		AC input Customizatior Rated power	ı	RH Working Altitude	10%-90% <5000m	
		Output voltage Emergency P		Working Atmospheric	70-106Kpa	
Features	1 High off			Cooling mode	cooling by fan	
	1. High efficiency: On-line single-conversion from power supply the terminal equipment, Energy saving more than 12% compared with traditional UPS system.					
	2.Low cost: The PUS has the UPS inside, and do not need to purchase extra battery devices.One integrated UPS to drive the terminal equipment. Save at least 40% cost.					
	3.High reliability: From Ac mains to the Terminal Equipment implemented by one conversion and ruduced failure rate.Battery discharge directly to the terminal equipment without second boost					
	conversion. Battery more stable by reducing the series connection of the battery quantity.					
	4. When working with AC mains, the energy is directly transferred to the load by reducing voltage conversion. Meanwhile the battery is under standby mode, this will save extra cost. The battery will start to work when the AC mains induced below 4870 (care other design).					
	start to work when the AC mains' voltage below 187VC smoothly(online design).					
	5.Small volume Battery inside the power supply, compact size design.					
	 6.Smaller volume of the battery High efficiency: Working at the same time, more than 12% efficiency compared with traditionI UPS solution. Battery capacity:cut down 20% compared with UPS conditional battery solution. Battery catageories:Lead acid, lithium iron phosphate and nickel hydrogen battery 7.Battery with high reliability 					
						Traditional UPS solution is 48V or 36V.Brightstar's battery do not have the boost and connect in series with 24V or 12V(based on the output power). The less connection of the battery quantity, the
	-	ability of the batter	/. 220VAC			
	AC Input	Frequenc		180V~240VAC 47Hz~63Hz 11A-6A		
Input cur Leakage c Standby p			≦ 0.75mA, 220Vac			
battery input	Input rated voltage Input voltage range		DC24V 18V~28V			
Output	Input current Rated power Efficiency		70Amax 900W AC≥90%; DC≥92% (@50%load)			
	Output voltage Output current		+36V 25A			
	voltage tolerance voltage tolerance		+36V: 34.2~37.8V ≤±5% ≤200mV			
	Ripple Power fac capacitive	ctor e load(Max)	≥0.9@50% load ≤ 2000uF			
Characteristic			at of bottom.	charging voltag		
The haracteristic of		um discharge currei stop discharge	Standard b		stop discharge at 21±0.5V(can b der Emergency, it can set up ar	
the battery peration when		-	stop discharge at 18.5±0.5V. ge below 187V, the system' signal indicates that the Ac Mains Output is lov			
the AC mains voltage is low	voltage (The AC mains' voltage return to normal when the voltage up to 192VAc); Ac mains sour and battery do not work at the same time which can save energy; The PSU with discharge protection which can prolong the lifetime of the battery.					
Protection	Output protection Battery group protection		OPP troubleshooting).Power supply working condition≤1209			
				rated power. The power supply will co	me into the hiccup mode when	
			SCP	short circuit the positive output.Recover to work	0	
			Battery low voltage	The battery will shut dow below 21±0.5V. Leakage	vm when the discharge voltage curren <0.1mA.	
			protection Battery		ng, it's fuse will fuse and cut off	
			output SCP power supply circuit if the power supply failure lead to the shortcircuit problem of the battery. n voltage (AC input to DC output) : 2000Vac/5mA/60s			
Insulation		2、 Insulation voltage (L-N-G) : 1500Vac/5mA/60s 3、 insulation impedance :AC input to DC output/AC input to Battery input>50MΩ				
Startup conditions and	1、Ac mains operation condition:180V~240VAC					
	 2 A. Without Ac mains source, the battery can start up by itself(21-28V); B. Usually, the Ac mains source and the Battery exist at the same, the ac mains source is prior and charging the battery. The power supply convert to the battery working mode when the Ac mains's 					
work process	volta	age drop down to 6	0-85% of it's	rated voltage(Origional se	tting 70%). The working mode to 75% of the rated votlage. Th	
ommunicatio	n Interf		rter voltage p	oint is below 85% of the r	ated voltage.	
				Definition of F	RS232 interface	
			1		ignal delivery supply(232signal	
1 2 3 4				reception)		
	1			3. GND 4. +5V output		
					• 	
lonitoring ter	minal d	liagram监控站	耑子 图			
		-			ay external, connecting pin	
	the Pin 1	-3 if do not need	extra +5V s	supply. If it need displa		
Connecting to pin 4 output curr	ent≤500)mA,current tole	rane \pm 5% a	and the output is non-i		

• The forced start function: When Ac working and the battery in good condition, short circuit the forces start interface, the working mode change from ac mode to battery mode immediately, and the battery cut off voltage is 18.5 ± 0.5 V. Without AC, the battery can drive the terminal equipment by short circuit the forced start interfaced.

• Battery temperature detection: The power supply detects the battery temperature through an external sensor. When the temperature more than 60 ± 5 °C, the power supply will command the battery stop charging or stop discharing&cut cut off the output.



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