c	<mark>深圳市明仕</mark> HENZHEN BRIGHT ST	-	光电有限公司	_				
	tching power supply with							
MSD-AC	30030E			d working condition				
			Model Working tem.	MSD-AC30030E -20°C~55°C				
	AC input		Storage tem.	-45℃-+85℃				
	Customization Rated power	1	RH Working Altitude	10%-90% <5000m				
	Output voltage		Working Atmospheric	70-106Kpa				
	Emergency P	ower Supply	Waterproof degree	IP30				
	I		Cooling mode	cooling by free air				
	1.High efficiency: On-line si equipment, Energy saving r	-	rsion from power supply the terminal 2%.					
	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 voltag							
Features	a. 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' 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 tradition UPS solution. Battery capacity:cut down 20% compared with UPS conditional UPS solution.							
	7.Battery with high reliabilit	y						
				with 24V or 12V(based on the higher stability of the battery.				
<u> </u>	output power). The less connection of the battery quantity, the higher stability of the batter           Input rated voltage         220VAC           Input voltage range         180V~240VAC							
AC Input	Frequency		47Hz~(	80V~240VAC 47Hz~63Hz 3A-2A				
	Input current Leakage current		≦ 0.75mA	, 220Vac				
	Standby power consumption Input rated voltage		≦6\ DC24	4V				
battery input	Input voltage range Input current	19V~28V 25Amax						
	Rated power Efficiency		300\ AC≥90%; DC≥92					
	Output voltage Output current		+27.6V 16.7A					
Output	voltage tolerance voltage tolerance	+27.6V: 24~30V						
	Ripple	≤±5% ≤200mV						
	Power factor capacitive load(Max)		≥0.9@50	00uF				
Characteristic	c of battery charging charging voltage 27.5-28V charging voltage current 0~2.5A							
The	1,Maximum discharge curre	nt of batte	ry 25A					
characteristic of the battery	2,Battery stop discharge	Standard battery design: the battery stop discharge at 20±0.5V(can be customized) and turn off;						
operation when	3,When Ac mains' voltage	below 187V, the system' signal indicates that the Ac Mains Output is						
the AC mains voltage is low	low voltage (The AC mains' voltage return to normal when the voltage up to 192VAc) ;Ac mains source and battery do not work at the same time which can save energy; The PSU with							
	discharge pro	otection wl	hich can prolong the lifetin 120%~160%(hiccup mode	me of the battery. and recover automatically after				
		OPP         troubleshooting).Power supply working condition≤120% rated power.           The power supply will come into the hiccup mode when						
	Output protection							
Protection		SCP short circuit the positive and negative of the output.Recover to work after troubleshooting.						
		Battery low	In the battery will shut down when the discharge voltage					
	Battery group protection	voltage Battery	below 21+0 5V Leakage curren <0 1mA					
		output	power supply circuit if th	e power supply failure lead to				
	1, Insulation	SCP         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 work process	2、A. Without A B. Usually, the Ac mains so and charging the battery.T mains's voltage drop dowr	<ol> <li>Ac mains operation condition:180V~240VAC</li> <li>A. Without Ac mains source, the battery can start up by itself(21-28V);</li> <li>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 voltage drop down to 60-85% of it's rated voltage(Origional setting 70%). The working mode converter to the ac mains working source when it's voltage increase to 75% of the rated</li> </ol>						
Communicatio		onverter vo	Itage point is below 85% o	of the rated voltage.				
ſ			Definition of R	S232 interface				
		1	1. RXD 232 Sig	gnal delivery				
			2. TXD power s	supply(232signal				
1 $2$ $3$ $4$ reception)								
		-	3. GND 4. +5V output					
A	national de la desta de	년 구 IEI						
vionitoring ter	minal diagram监控站	而于图						
-				ay external, connecting pin				
-	ent≪500mA,current toler		-					
nains source and b	oatteries, low voltage of ba	attery,ope	en-circuit of battery, SC	e working conditions of Ac of battery, the breakdowm				
of AC mains source pattery.	, low voltage of AC mains,	battery c	harging, Charging circu	it failure, temperature of th				
85232.								
	outer can issue commands such as forced emergency							
	- ··	24						
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	-			也法私收				
i i								
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	6 L			BAT+ BY IIII				
	0 主电开关			电弧路 400 mm 400				

			部市中 地	0 0	
	Dimension: 2	  40 (L) *120 (W) *50 (H	 () mn		
Noted: Connection de	sign:terminal blocks				
	ign for the ac mains working he working time of the batt	5 1			

the battery. Tel:+86-755-29510721 Fax:+86

Web:www.sz-msd.com

Fax:+86-755-29518990 Email:victor@brightstarleds.com