

Power System



Micro-BTS Power System with its IP protection class reaching to IP65, which has a wide input range, integration, miniaturization, lightweight, wide temperature range, long life, environmental protection and other features. It can be applied to system of IBS to provide high-quality uninterruptible power supply, to ensure the coverage of 2G, 3G, 4G, WLAN and EPON telecommunications universal at shopping malls, railway stations, airports, parking, office buildings, community, and many other occasions.

Parameters

Technical Indicator		
Type	Micro-BTS Power System (-48V)	Notes
Input voltage	150-280VAC	
Input current	≤5.5A	220VAC Input
Output voltage	56.5VDC	
Output current	≤18A	56.5VDC Output
Conversion efficiency	91%	
Source regulation	≤±1%	
Load regulation	≤±1%	
Charge current	<6A	Automatic Adjustment
Lithium battery capacity	48V 20Ah	Optional
Output over voltage protection	Protection voltage: DC 59V ± 5 %	
Output over current protection	≤20A	
Under the protection	YES	
Lithium battery overcharge protection	YES	56.5VDC Output
SCP	YES	
Lightning protection	Can withstand the simulated lightning current waveform 8/20 us, the impact of the 20 KA 3 times	

Safety features

Insulation grade		
Parameter	Min	Notes
I-O	2080VDC/10mA//1min	
Input - casing	2080VDC/10mA//1min	
Output - casing	700VDC/10mA//1min	
Insulation Resistance	Under normal atmospheric pressure, Relative humidity is 90%,The test voltage for the DC 500V, The power input to the output, AC-GND, The output of the insulation resistance of no less than 10M Ω, leak current <3.5mA.	

When product specifications are subject to change without notice, please forgive me



Working Condition

Parameter	Condition				Notes
	MIN	Typical	MAX	Units	
Operating Temperature	-25		55	°C	≥55°C, Power to the power output reduction
Storage Temperature	-40		80	°C	
Humidity	10		90	%	Relative humidity, not frozen
Atmospheric pressure	70		106	KPa	
Altitude	0		3000	m	
Cooling mode	Natural cooling				
Dimensions	499*399*161 (W * D * H) mm				
Weight	≤40kg				

Internal Structure

