

## CATV OUTDOOR SPECIALITY UPS



Single Module		MSR-1K	MSR-2K	MSR-3K	MSR-4K	MSR-6K	MSR-7K	MSR-8K	MSR-9K	MSR-10K
Single Module Power(KW)		800W	1600W	2400W	3200W	4800W	5600W	6400W	7200W	8000W
Working Method		Low Frequency online UPS								
Phaze		Single(L+N+G)								
Rectifier	Input Nominal Voltage	220V								
	Range	± 25%								
	Input Nominal Frequency	50HZ±10%								
	Output Wave	<2%								
	Soft start	0-100%5sec								
Charging	Charging Model	First constant current than constant voltage, with temperature compasation								
	Float charge Voltage	55-220VDC								
	Balance Voltage	56.8VDC-227VDC								
	Temperature Compensation	3mV/° C(single)								
	Charging Current	0.1C(Basic battery capacity setting automatic adustment								
	Charging Power	Nominal capacity 40%								
Battery	Battery Form	LiFePO4 lithium power battery								
	Battery Capacity	10-1000AH can be setting(Basic on different power capacity range								

	Battery Piece	16 pieces, 60 pieces
Invertor	Phase	Single Phase
	Nominal Voltage	220V
	Output Voltage Stable	$\pm 1\%$ (Stable Load) , $\pm 5\%$ (Load Surging)
	Frequency Stable	50HZ $\pm 5\%$ (asynchronism)
	Crest Factor	>3:1
	Output Wave THD	Sine Wave, Line load<1%; None Line load<3%
	Behavioral Characteristics	Transient Voltage<5%(Jump from 0 to 100%), Transient recover time<10ms
	Overload Protection	115% normally working, 125% 10 min, 150% 1min, 200%1s
	Invertor effeciency	>93%(Full Load)
Bypass	Phase	Single Phase (L+N)
	Nominal Voltage	220VAC
	Transform Time	0ms(static switch transform)
Protect Function	Input protection	Input high-low voltage over resist、frequency over resist
	Output protection	Over current、short circuit、power factors too low
	Batteries protection	Over Charging protection、Over Discharging protection
	Temperature Protection	Environment Over temperature protection、invertor over temperature protection
	hardware fault protection	Auxiliary power supply circuit breaker tripped, fuse, abnormal broken boot power components through a voltage protection.
System Parameters	Working Environment	Environment temperature -35° C-65° C,Altitude <2000meters
	Cooling Method	Low temperature to be automatic heating; Compulsory air-cooled adopts the automatic temperature at high temperature.
	Commnuicated Method	RS232、RS485、 optional dry connection port、SNMP card(Remote monitoring network.
	Resist Surge capacity	10/700 $\mu$ S, 5KV; 8/20 $\mu$ S, 20KA
	Protection Level	IP65
	Safe Function	Input/output of resistance to report 3000 VAC, leakage current is less than 3.5 mA; Insulation resistance greater than 2 M $\Omega$ (500VDC)
	Noising dB	45-50
	UPS Size (WxDxH) mm	800x600x1200
	Weight (KG)	105-135