

6~10kVA Orion Plus UPS



Power Range

6~10kVA



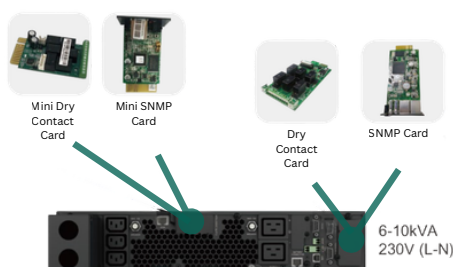
Operation

1P/1P



Main Features

- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Intelligent fan speed regulation
- Dry contact port optional (4 pins input and 4 pins output)
- Generator compatible
- Maximum charging current up to 15A
- Wide input voltage range: 110~300Vac
- Multiple communication interface: RS232/USB/RS485/EPO/PDU signal/Battery temperature signal/Battery group signal/Dual Intelligent card slot (Mini card slot optional)



Model			Orion Plus 6k S	Orion Plus 10k S
Rate Power			6kVA / 6kW	10kVA / 10kW
Main input	Nominal Voltage (Vac)		208/220/230 (Default)/240	
	Operating Voltage Range (Vac)		110~300 (110~300@50% load/176~300@100% load)	
	Input PF		≥0.99	
	Connection		HW terminal (L+N+G)	
	Current distortion		THDi<2%	
Battery	Rate voltage (Vdc)	VRLA Batt	192 (7/8Ah)	
	Charging current		1.35 Default (12, 15 Optional)	1.35 Default (15 Max.)
			Charging current adapts to the battery type and battery capacity	
Bypass	Voltage range		Max.voltage: 208/220: +25% (Optional +10%, +15%, +20%) 230: +20% (Optional +10%, +15%) 240: +15% (Optional +10%) Min.voltage: -45% (Optional -10%, -20%, -30%)	
Output	Rate voltage		208/220/230 (Default)/240	
	Voltage Reg		±1%	
	Output PF		1.0	
	Output Connection		Programmable: C19*2+C13*3; Non-programmable: HW terminal (L+N+G)	
	Output Frequency (Hz)		Online mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional); Battery mode: 50/60±0.1%	
	Crest Factor		3:1	
	Output THDv		<1% Linear load ; <3% Non linear load	
	Transfer time (ms)		AC mode to Bat.mode: 0; Inverter to Bypass: 0	
	Overload	Online Mode	Load≤110%, last 60min; ≤125%, last 10min; ≤150%, last 1min; >150%, turn to bypass mode immediately	
		Battery Mode	Load≤110%, last 10min; ≤125%, last 1min; ≤150%, last 10 second; >150%, 0.5 second shut down	
		Bypass Mode	105%≤load≤130%, only overload alarm; ≤150%, last 10min; ≤200%, last 1min; >200%, 0.5 second shut down	

Model			Orion Plus 6k S	Orion Plus 10k S
System	Efficiency	AC Mode	Up to 95%	Up to 95.5%
		ECO Mode	Up to 98.8%	Up to 99%
	Management	LED Display	Online mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault	
		LCD Display	Input voltage, Input frequency, Input current, Output voltage, Output frequency, Output current, Load percentage, Battery voltage, Battery charging/discharging current, Ambient temperature & Remaining battery backup time	
	Environmental	Operating Temperature (°C)	0~40	
		Storage Temperature (°C)	-25~55	
		Humidity Range	0~95%RH @ 0~40°C (Non condensing)	
		Altitude (m)	<1000, derating required between 1000 to 3000	
		Noise Level (dB)	<45	<50
Physical	Dimension (W*D*H)mm		440×621.5×175 (4U)	440×621.5×175 (4U)
	Weight (kg)		57/65	67
Standards	Safety		EN IEC 62040-1: 2019 + A11:2021	
	EMC		IEC 62040-2: 2016, EN IEC 62040-2: 2018, C2	
	Performance		IEC 62040-3: 2021, EN IEC 62040-3: 2021	

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