

POLARIS

energy systems

NEW LINE

Polaris RT

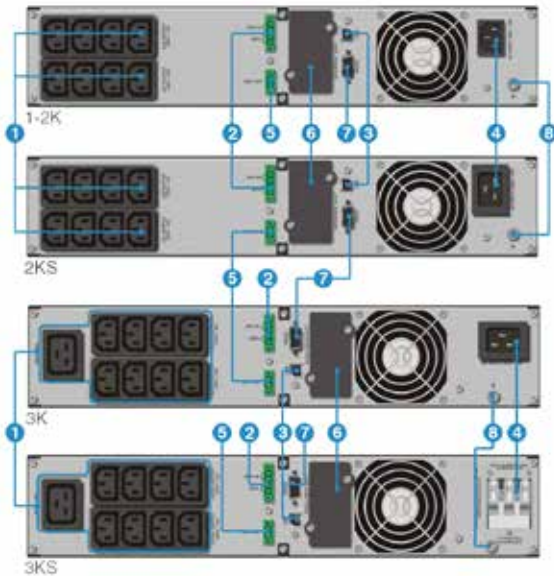
1 - 10 KVA UPS

**HIGH POWER DENSITY
RACK-TOWER 2-IN-1 TRUE
DOUBLE CONVERSION
ONLINE UPS**

- DSP Control
- 0.9 Output Power Factor
- Wide Input Range
- High Efficiency Mode(ECO)
- Frequency Converter Mode
- Input THDi<5%
- Output Voltage Regulation <1%
- Output THDv<2%
- Fan Speed Control
- Compact Design
- Extendable Run Time
- Dual input (for 6-10KVA)
- Power Management Software
- Multiple Communication Ports
- Optional SNMP & Relay Cards
- Temperature Compensation
- PDU(for 6-10KVA)
- 1+1 Parallel for 6-10KVA



www.upsolaris.com

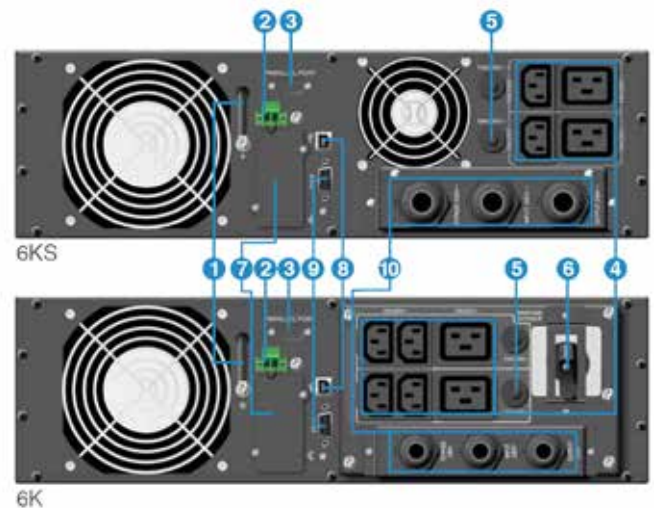


1-3K REAR PANEL DESCRIPTION

1. AC OUTPUT
2. EPO/Dry-Contact Input Port
3. USB Port
4. AC Input
5. Dry-Contact Port
6. Intelligent Slot
7. RS232 Port
8. Earth Line Port

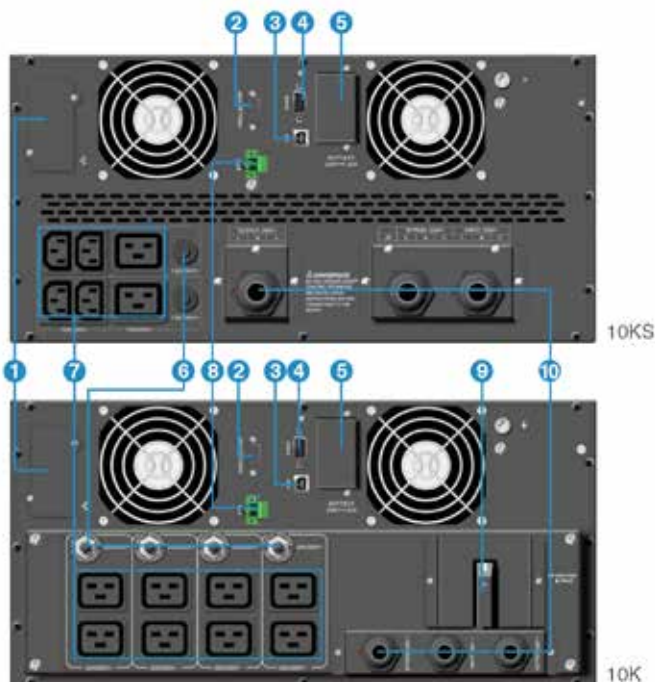
6K REAR PANEL DESCRIPTION

1. Ground Screw
2. REPO Port
3. Parallel Port (Optional)
4. Output Socket
5. Output Circuit Breaker
6. Maintenance Bypass Switch
7. Intelligent Slot
8. USB Port
9. RS-232 Port
10. Input/Output Terminal Block



10K REAR PANEL DESCRIPTION

1. Intelligent Slot
2. Parallel Port (Optional)
3. USB Port
4. RS-232 Port
5. External Battery Connector
6. Output Circuit Breaker
7. Output Socket
8. REPO Port
9. Maintenance Bypass Switch
10. Input/Output Terminal Block



MODEL		RT 1K	RT 1KS	RT 1.5K	RT 1.5KS	RT 2K	RT 2KS	RT 3K	RT 3KS
CAPACITY									
VA/W		1000VA/900W		1500VA/1350W		1000VA/900W		1000VA/900W	
INPUT									
Voltage Range		120~276VAC Depends on Load Level							
Frequency Range		45-55Hz / 54-66Hz							
Phase		Single Phase with Ground							
THDI		< 5% with Full Load							
Power Factor		≥ 0.99@R Full Load							
OUTPUT									
Voltage		208/220/230/240VAC							
Voltage Regulation		±1%							
Frequency (Synchronized Range)		45-55Hz/54-66Hz							
Frequency(BAT Mode)		50/60Hz±0.2Hz							
Current Crest Ratio		3:1							
Harmonic Distortion		≤ 2% @Linear Load							
		≤ 5% @Non-linear Load							
Output Waveform		Pure Sine Wave							
Overload Capacity	Line Mode	12s @102%-130% Load 1.5s @130%-150% Load 100ms@>150°/0 Load							
	BAT Mode								
EFFICIENCY									
Line Mode		>88%				>89%		>92%	
BAT Mode		>83%				>83%		>86%	
ECO Mode		>95%				>95%		>95%	

Intelligent Slot	SNM17AS400/Relay Card
EPO	Emergency Power Off

POLARIS RT 6-10KVA UPS SPECIFICATION

MODEL		RT 6K	RT 6KS	RT 10K	RT 10KS
CAPACITY					
VA / W		6000VA/5400W		10000VA/9000W	
INPUT					
Voltage Range		120~276VAC			
Frequency Range		45-55Hz / 54-66Hz			
Phase		Single Phase with Ground			
THDI		< 5% with full load			
Power Factor		≥ 0.99@R full load			
OUTPUT					
Voltage		208/220/230/240VAC			
Voltage Regulation		±1%			
Frequency (Synchronized Range)		45-55Hz/54-66Hz			
Frequency(BAT Mode)		50/60Hz±0.1Hz			
Current Crest Ratio		3:1			
Harmonic Distortion		≤ 2% @Linear Load			
		≤ 5% @Non-linear Load			
Output Waveform		Pure Sine Wave			
Overload Capacity	Line Mode	2min @102% ~ 130% 30s @130% ~ 150% 100ms @ > 150%			
	BAT Mode	10s @102% ~ 130% 100ms @>130%			
EFFICIENCY					
Line Mode		>92%		>93%	
BAT Mode		>89%		>90%	
ECO Mode		>96%		>97%	

MODEL	RT 6K	RT 6KS	RT 10K	RT 10KS
BATTERY				
Number of Batteries	15	Depend on the capacity of external batteries	20	Depend on the capacity of external batteries
Battery Type	12V/5Ah		12V/9Ah	
Backup Time	>2.5 Minutes		>3.5 Minutes	
Recharge Time				
Charging Current (max)	1.0A	8.0A	1.7A	8.0A
TRANSFER TIME				
LINE <--> BAT	0ms			
INV <--> BYPASS	0ms			
INV-->ECO	1ms			
ECO --> INV	< 10ms			
INDICATOR				
LCD	Load Level/Battery Voltage/Battery Mode/AC Mode/Bypass Mode Information			
AUDIBLE ALARM				
BAT Mode	Sounding Every 4 Seconds			
Low Battery	Sounding Every Second			
Fault	Continuously Sounding			
Overload	Sounding Twice Every Second			
DIMENSION				
Rack Case(WxHxD)mm	438x129x594	438x129x594	438x215.5x594	438x215.5x594
ENVIRONMENT				
Operation Environment	0-40℃			
Relative Humidity	0-95% (Non-Condensing)			
Noise Level	<50dB @ Front 1 Meter			
INTERFACE				
RS232/USB	Software Supports Windows Family, Linux, Sun Solaris, IBM Aix, Compaq True64, SGI IRIX, FreeBSD, HP-UX, MAC			
Intelligent Slot	SNMP/AS400/Relay Card			
EPO	Emergency Power Off			

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