



RT 6-10K

RT 1-3K

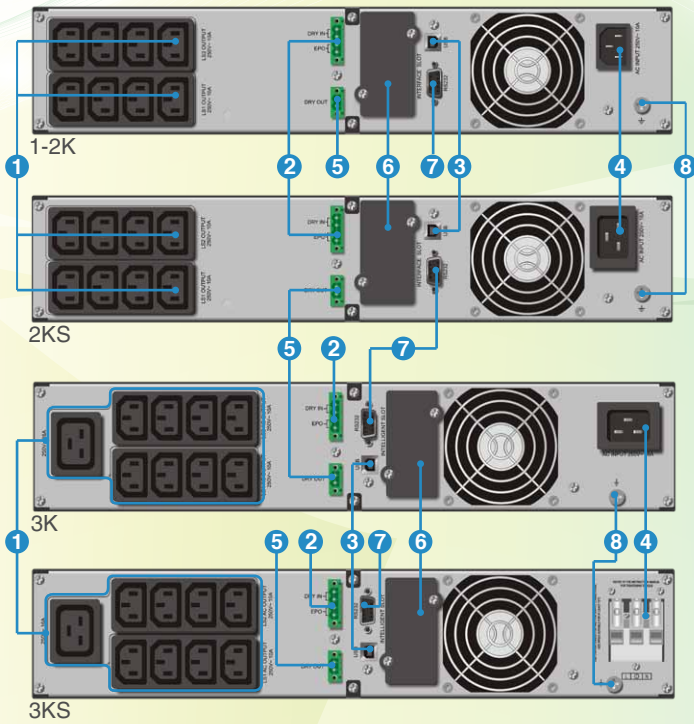
NEW LINE POLARIS RT

1-10KVA UPS

HIGH POWER
DENSITY
RACK-TOWER
2-IN-1 TRUE
DOUBLE CON
VERSION
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

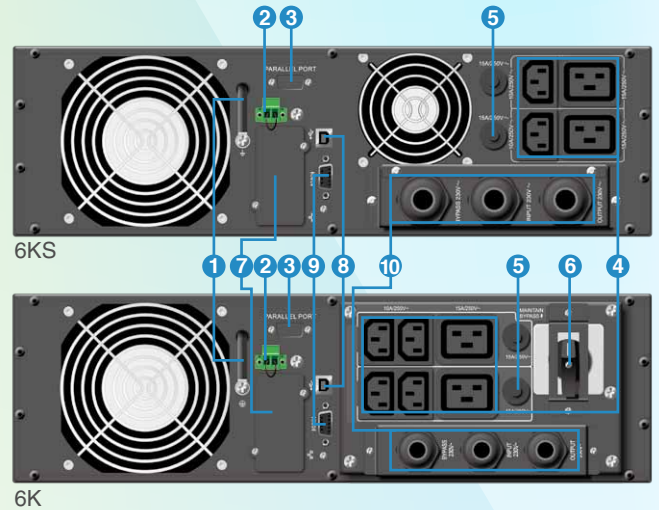
1-3K REAR PANEL DESCRIPTION



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

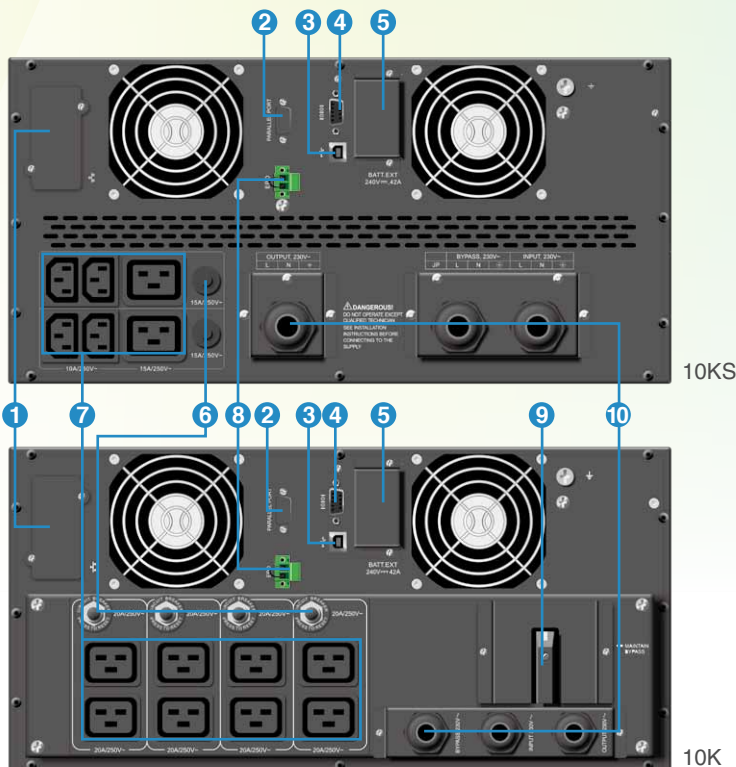
6K REAR PANEL DESCRIPTION

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		2000VA/1800W		3000VA/2700W	
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% Load									
		BAT Mode										
EFFICIENCY	Line Mode		>88%					>89%		>92%		
	BAT Mode		>83%					>83%		>86%		
	ECO Mode		>95%					>95%		>95%		
BATTERY	Number of Batteries		3	Depend on The Capacity of External Batteries	4	Depend on The Capacity of External Batteries	4	Depend on The Capacity of External Batteries	6	Depend on The Capacity of External Batteries		
	Battery Type		12V/7.2Ah		12V/7.2Ah		12V/9Ah		12V/9Ah			
	Backup Time		>5 Minutes		>5 Minutes		>5 Minutes		>5 Minutes			
	Recharge Time		3 Hours to 90%		3 Hours to 90%		3 Hours to 90%		3 Hours to 90%			
	Charging Current(max)		1.5A	6A	1.5A	6A	1.5A	6A	1.5A	6A		
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		438×86.5×436								438×86.5×608	
ENVIRONMENT	Operation Environment		0-40℃									
	Relative Humidity		0-95%（Non-Condensing）									
	Noise Level		<45dB @ Front 1 Meter		<45dB @ Front 1 Meter		<50dB @ Front 1 Meter					
INTER FACE	RS232/USB		Software Supports Windows Family, Linux, Sun Solaris, IBM Aix, Compaq True64, SGIIRIX, FreeBSD, HP-UX, MAC									
	Intelligent Slot		SNMP/AS400/Relay Card									
	EPO		Emergency Power Off									

POLARIS RT 6-10KVA UPS SPECIFICATION

MODEL			RT 6K	RT 6KS	RT 10K	RT 10KS
CA PACITY	VAW		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%	
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		>2.5minutes		>3.5minutes	
	Recharge Time		3 hours to 90%		3 hours to 90%	
	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			
INDIC ATOR	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		<55dB @ Front 1 meter			
INTER FACE	RS232/USB		Software supports Windows Family, Linux, Sun Solaris, IBM Aix, Compaq True64, SGIIRIX, FreeBSD, HP-UX, MAC			
	Intelligent Slot		SNMP/AS400/Relay Card			
	EPO		Emergency Power Off			