Ablerex RS Series On-line UPS

The Ablerex RS series on-line double conversion UPS with full-time digital single processor control technology is the cost-effective solution for mission critical users who demand high reliability and performance from a UPS.

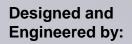
- Advanced Digital Control Technology
- Programmable Parameter Setting
- Unity Input Power Factor
- Wide Input Voltage/Frequency Window
- Optional Power Shedding
- Emergency Shutdown Control through EPO
- Optional Powerful Charger
- Extended Runtime Capability
- Matching Battery Cabinet





Ablerex RS On-line UPS Technical Specifications

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MODEL	ITEM	RS 1000	RS 2000	RS 3000	
CAPACITY	VA/W	1000VA/900W	2000VA/1800W	3000VA/2700W	
		110Vac/140Vac/160Vac-300Vac			
INPUT	Voltage Range	(Based on load percentage 0%~25% / 25%~50% / 50%~100%)			
	Frequency Range	45Hz ~ 65Hz			
	Phase	Single phase with ground			
	Power Factor	≥ 0.99 (with full linear load)			
	Voltage	230V, adjustable to 200/208/220/230/240			
OUTPUT	Voltage Regulation	≤ ± 1% until low battery warning			
	Frequency	3Hz or 1Hz (selectable)			
	(Synchronized Range)	SHZ OF THZ (Selectable)			
	Frequency (Battery mode)	50Hz/60Hz ± 0.1% unless synchronized to line			
	Current Crest Ratio	3:1 (acceptable)			
	Harmonic Distortion	< 3% (at full load) ; < 6% (at full non-linear load)			
	Output Waveform	Pure sine wave			
OVERLOAD CAPACITY	Line mode / Battery mode	<105% continuous, >106%~120% for 30 seconds transfer to bypass,			
		>121%~150% for 10 seconds transfer to bypass, >150% for immediately transfer			
		to bypass, Buzzer continuously alarms.			
	Bypass mode	<105% continuous, >106%~120% for 250 seconds shuts down, >121%~130% for			
OAI AOITT		125 seconds shuts down, >131%~135% for 50 seconds shuts down,			
		>136%~145% for 20 seconds shuts down, >146%~187% for 5~0.32 seconds shut			
OVERALL EFFICIENT		down, >188% for 0.16 seconds shuts down, Buzzer continuously alarm			
OVERALL EFFICIENC			≥ 88%		
	Number of batteries	2	4	6	
INTERNAL BATTERY	Battery type		I, non-spillage, maintenance	e-free, lead acid)	
	Rated Battery Voltage	24Vdc	48Vdc	72Vdc	
	Backup time (half load/full load)	10 ~ 30 minutes depending on loads			
	Recharge time (to 80%)	≤ 5 hours			
	Floating Charging Voltage	27.3Vdc ± 0.5V	54.6Vdc ± 0.5V	82.0Vdc ± 0.5V	
	Bulk Charging Voltage	30.0Vdc ± 0.5V	60.0Vdc ± 0.5V	90.0Vdc ± 0.5V	
TRANSFER TIME	AC to DC	30.0 v dc ± 0.3 v	00.0 vac ± 0.5 v	90.0 v dc ± 0.5 v	
DC START		Yes			
SELF DIAGNOSTICS		By button of the panel or Software Control			
		Load Level/Battery Level/ Battery Mode/ Normal Mode/ Bypass Mode/ Self-Test/			
	Standard LED	Weak/Bad Battery/ Site Wiring Fault/ Fault/ Overload			
	Optional LED	Programmable Outlet 1 / Programmable Outlet 2			
		Readings: Load Percentage (%), Battery Voltage (V), Input Voltage, Input,			
FRONT PANEL	Ontional LCD	Frequency, Output Voltage, Output Frequency, Output Current			
	Optional LCD	Icon Indicators: Eco Mode, Utility Mode, Battery Mode, Service Mode,			
		UPS Fault, Overload, UPS Status, UPS Outlets 1&2			
	Button	ON/Alarm Silence Button / OFF Button / Test/Level Button			
AUDIBLE ALARM	Battery Mode	Sounding once every 1.5 seconds			
	Low Battery	Sounding once every 0.2 seconds			
	Overload	Sounding once every 3 seconds			
	Normal alarm	Sounding once every 3 seconds			
	Fault	Continuously Sounding			
PROTECTION	Ob and Obranit	Bypass mode: FUSE,			
	Short Circuit	Normal Mod	Normal Mode: Output Breaker/Electronic Circuit,		
	Patton	Battery Mode: Output Breaker/Electronic circuit			
	Battery EPO	Advance Battery Discharge Management UPS shuts down immediately			
		Normal mode: Transfer to Bypass Mode,			
	Over Temperature	Battery Mode: UPS shuts down immediately			
	Dimensions (H × W × D in mm)	220 × 144 × 360	322 × 152 × 438	322 × 190 × 438	
PHYSICAL	Weight (kg)	12	22	27	
	Outlet	(3) 10A, IEC 320-C13	(6) 10A, IEC 320-C13	(6) 10A, IEC 320-C13	
ENVIRONMENT	Operation Temperature	0-40°C			
	Noise Level	<50dBA			
	Relative Humidity	0 to 90% (Without condensation)			
INTERFACE	Standards	RS232 port			
	Optional	Dry contact, 2 nd RS232, USB, SNMP/Web Card			
	Compatible platforms	Microsoft Window series, Linux			
STANDARDS AND CERTIFICATIONS	Safety	IEC/EN62040-1-1			
	Performance	IEC/EN62040-3			
	EMC	IEC/EN62040-2 class A, FCC Part 15 Subpart B class A, IEC/EN55011, CISPR			
	EMC	11, IEC 61000-4-2/-3/-4/-5, IEC 61000-2-2, IEC 61000-3-2/-3			
	Markings	CE, FCC			
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