

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

MODEL	ITEM	RS 1000	RS 2000	RS 3000
CAPACITY	VA/W	1000VA/900W	2000VA/1800W	3000VA/2700W
INPUT	Voltage Range	110Vac/140Vac/160Vac-300Vac (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)		
OUTPUT	Voltage	230V, adjustable to 200/208/220/230/240		
	Voltage Regulation	≤ ± 1% until low battery warning		
	Frequency (Synchronized Range)	3Hz or 1Hz (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 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 down, >188% for 0.16 seconds shuts down, Buzzer continuously alarm		
OVERALL EFFICIENCY		≥ 88%		
INTERNAL BATTERY	Number of batteries	2	4	6
	Battery type	12V/7.2AH (Sealed, non-spillage, maintenance-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	0ms		
DC START		Yes		
SELF DIAGNOSTICS		By button of the panel or Software Control		
FRONT PANEL	Standard LED	Load Level/Battery Level/ Battery Mode/ Normal Mode/ Bypass Mode/ Self-Test/ Weak/Bad Battery/ Site Wiring Fault/ Fault/ Overload		
	Optional LED	Programmable Outlet 1 / Programmable Outlet 2		
	Optional LCD	Readings: Load Percentage (%), Battery Voltage (V), Input Voltage, Input Frequency, Output Voltage, Output Frequency, Output Current 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	Short Circuit	Bypass mode: FUSE, Normal Mode: Output Breaker/Electronic Circuit, Battery Mode: Output Breaker/Electronic circuit		
	Battery	Advance Battery Discharge Management		
	EPO	UPS shuts down immediately		
	Over Temperature	Normal mode: Transfer to Bypass Mode, Battery Mode: UPS shuts down immediately		
PHYSICAL	Dimensions (H × W × D in mm)	220 × 144 × 360	322 × 152 × 438	322 × 190 × 438
	Weight (kg)	12	22	27
	Outlet	(3) 10A, IEC 320-C13 or	(6) 10A, IEC 320-C13 or	(6) 10A, IEC 320-C13 or
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/EN 62040-1-1		
	Performance	IEC/EN 62040-3		
	EMC	IEC/EN 62040-2 class A, FCC Part 15 Subpart B class A, IEC/EN55011, CISPR 11, IEC 61000-4-2/-3/-4/-5, IEC 61000-2-2, IEC 61000-3-2/-3		
	Markings	CE, FCC		

Designed and
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