

AP-RT Series

True Online UPS



KEY FEATURES

- Output Power Factor 1.0
- Wide Input Range (80V-300V)
- ECO Mode for energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Easy Battery Replacement
- Battery Extendable On All Model
- THDi < 5%
- Outlet Programmable Management

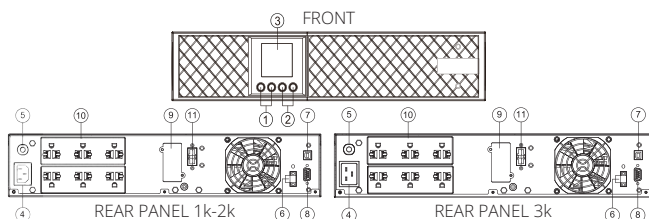
LCD Display



SPECIFICATION

Model Name		AP-RT1K	AP-RT2K	AP-RT3K
CAPACITY	Capacity	1000VA/1000W	2000VA/2000W	3000VA/3000W
INPUT	Voltage Range	80 - 300 VAC		
	Frequency Range	40 -70 Hz		
	Phase	Single phase with ground		
	Current THDI	< 5%		
	Power Factor @100% Load	≥ 0.99		
OUTPUT	Generator Input	Support (1.5 x UPS Rating Power)		
	Voltage Range	220 ±1% VAC		
	Frequency Range	50 ±0.5% Hz		
	Crest Factor	3:1		
	Harmonic Distortion	< 3%@Linear Load, ≤ 5%@non-Lineae Load		
	Protection	Short Circuit Protection		
	Output Wave form	Pure Sine Wave		
	Outlet	6 Thai Universal		
	Overload Capacity	Line Mode	100%-110% Warning, transfer to bypass after 2min; 110%-130% Warning, transfer to bypass after 1min; >130% Warning, transfer to bypass after 3s	
		Battery Mode	100%-110% Warning, shut down after 1min; 110%-130% Warning, shut down after 1min; >130% shut down after 2s	
EFFICIENCY	AC Mode	> 89%	> 90%	> 91%
	Battery Mode	> 85%	> 87%	> 88%
	ECO mode	> 97%	> 97%	> 97%
BATTERY	Number of Battery	2 pcs. or on requested	4 pcs. or on requested	6 pcs. or on requested
	Battery Type	12V/(7/9)Ahr (Sealed Lead-Acid Maintenance Free with suspended electrolyte) or on requested		
	Backup Time	>15 min (depend on load)		
	Charging Current (Max)	1.5 A		
	Recharge Time (to 90%)	4 Hours		
TRANSFER TIME	Transfer Time	0 ms		
INDICATOR	LCD	Input/Output information: Voltage / Frequency / Utility Present / Utility Lost		
AUDIBLE ALARM	Buzzer	Battery Mode, Battery Low, Overload, UPS Fault, Replace Battery, Bypass Mode, Charger Failure /Over Charged, Fan failure, EPO active		
DIMENSION	Rack/Tower Case (WxHxD)mm	438 x 86.5 x435 (2U)		438 x 86.5 x 610 (2U)
WEIGHT	Rack/Tower Case (kgs)	8.4 (W/O Battery)	9.1 (W/O Battery)	12 (W/O Battery)
ENVIRONMENT	Operating Environment	0-40 °C (Externded up to 50 C with derating)		
	Relative Humidity	0-95% non-condensing		
	Noise Level	< 45dB@1Meter		
INTERFACE	Smart RS-232 / USB (Option)	Yes : S/W supports Windows Family, Linux, Sun Solaris, IBM AIX, Compaq True64, SGI IRIX, FreeBSD, HP-UX and MAC		
	EPO	Yes		
	Dry Contact	Optional		
	External Slot (Option)	Internal Type of SNMP / AS400 Relay Card / RS485		
MANAGEMENT	Auto Recharge	Yes		
	Auto Restart	Yes		
	Power Management Software	Yes		
INTERNATIONAL STANDARDS	CE	Low Voltage Directive(Safety): IEC/EN62040-1-1, EMC Directive: IEC/EN62040-2, IEC/EN61000-4-2, IEC/EN61000-4-3, IEC/EN61000-4-4, IEC/EN61000-4-5 Transportation ETS200019-2-2, Protection IP20		

Specification are subject to change without prior notice.



POWER MODULE FRONT/REAR PANEL DESCRIPTIO

1. Power On/Off Button
2. Function Buttons
3. Multifunction LCD Readout
4. AC Input Inlet
5. Input Circuit Breaker
6. EPO (Emergency Power Off) Connector
7. USB port
8. Serial Port
9. SNMP/HTTP Network slot
10. Battery Backup & Surge Protected Outlets
11. Extended Runtime Battery Module Connector



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