

# Online single-phase UPS

## ATP One RT LFP

Power: 1~3KVA

Input voltage: 100~127 Vac or 200~240 Vac

Output voltage: 100~127 Vac or 200~240 Vac



ATP-One Lithium series provides a more comprehensive protection because of its longer autonomy time as its greatest benefit and it comes in different form factors to fit your storage space.

### Operation panel

Displays information on the status of the UPS, input and output electrical parameters, charge percentage and backup time of the UPS system. Allows the selection of operating modes and configuration of equipment operating parameters.

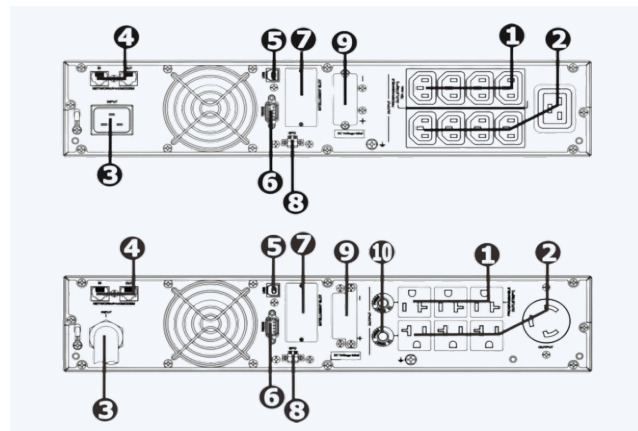


### UPS Back panel

1. Programmable outlets: connect to non-critical loads
2. Output receptacles: connect to mission-critical loads
3. AC input
4. Network/Fax/Modem surge protection
5. USB communication port
6. RS-232 communication port
7. SNMP intelligent slot
8. Emergency power off function connector (EPO)
9. External battery connection
10. Output circuit breaker

### ATP One RT LFP Features

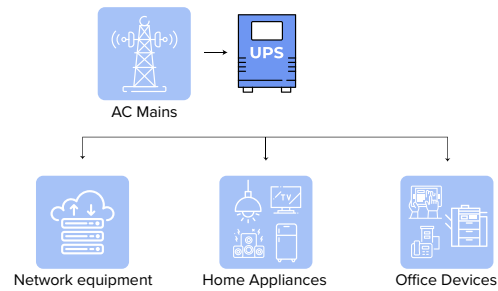
- True double-conversion.
- Generator compatible.
- Output power factor 0.9.
- Fast battery recharge time.
- Charging current is selectable through LCD.
- Input power factor correction.
- More than 8 min full load backup time.
- Easy battery replacement design.
- Long battery lifecycle > 2000.
- Built-in protection circuit in battery pack with UL 1973 (MH63914).
- UN38.3 for battery transportation.



## Application fields

Specially designed for the protection of sensitive equipment in general

- Network equipment
- Home appliances
- Office devices



## Connectivity options

 <p>WiFi / GPRS Card      GPRS/3G Card</p>	<p><b>WiFi Smart Card</b></p> <p>Wi-Fi Smart Card can enable wireless communication between On-Line UPS and monitoring platform. Users have complete and remote monitoring and controlling experience for UPS when combining Wi-Fi Smart Card with ViewPower APP, available for both iOS and Android based device</p> <p><b>GPRS/3G Card</b></p> <p>Can collect the data from various device, and transmit data in GPRS or 3G system to data center. It's suitable for places where there is no access to Internet. The HTTP service of data center can manage and monitor several devices, and can record all data/events within data center.</p>
 <p>SNMP Web Pro      SNMP Web</p>	<p><b>SNMP Web Pro Card, SNMP Web Box</b></p> <p>Embedded with Web Server and installed with SNMP Web Manager, it provides real-time remote monitoring and controlling multiple UPSs from anywhere with internet access. Integrated with ViewPower Pro software, it can monitor and control a big-scale UPS monitoring system.</p>
 <p>Modbus Card</p>	<p><b>Modbus Card</b></p> <p>The Modbus card provides UPS the functionality of communication with PCs through MODBUS RTU protocol. When each UPS installed with one modbus card, up to 31 UPSs can be monitored from one computer.</p>
 <p>9 pin port      DB9 Port</p>	<p><b>Relay Card</b></p> <p>The AS400 communication card provides contact closures for remote monitoring UPS. To meet different application requirement, the AS400 card is capable of selection the status of the dry-contact signal (active close or active open) by setting jumper.</p>
	<p><b>Environmental Monitoring Device (EMD)</b></p> <p>Is used to remotely monitor temperature and humidity via SNMP manager. It also provides two dry contacts to receive signals from devices such as security and alarm system.</p>

## Technical specifications

MODEL	ATP One-1000RT120LI	ATP One-1500RT120LI	ATP One-2000RT120LI4B	ATP One-3000RT120LI
PHASE	Single phase with ground			
CAPACITY	1000 VA / 900 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W
<b>INPUT</b>				
Nominal Voltage	100/110/115/120 /127 VAC or 200/208/220/230/240 VAC			
Voltage Range	55~150 VAC $\pm$ 3% or 110~300 VAC $\pm$ 3% at 50% load; 80~150 VAC $\pm$ 3% or 160~300 VAC $\pm$ 3% at 100% load			
Frequency Range	40Hz ~ 70Hz			
Power Factor	$\geq$ 0.99 @ nominal voltage (100% load)			
THDi	$\leq$ 5% @ nominal input voltage			
<b>OUTPUT</b>				
Output Voltage	100*/110/115/120 /127 VAC or 200*/208*/220/230/240 VAC			
AC Voltage Regulation (Batt. Mode)	$\pm$ 1%			
Frequency Range (Synchronized Range)	57~63Hz or 47 ~ 53 Hz			
Frequency Range (Batt. Mode)	60 Hz $\pm$ 0.1 Hz or 50Hz $\pm$ 0.1 Hz			
Current Crest Ratio	3:1			
Harmonic Distortion	$\leq$ 2 % THD (Linear Load) ; $\leq$ 4 % THD (Non-linear Load)			
Transfer Time	AC to Battery Mode	Zero		
	Inverter to Bypass	<4 ms (Typical)		
	ECO to Battery Mode	8 ms (Typical)		
Waveform (Batt. Mode)	Pure Sinewave			
<b>EFFICIENCY</b>				
AC Mode	89% @ full charged battery		90% @ full charged battery	
ECO Mode	$\geq$ 96% @ full charged battery			
Battery Mode	87%		89%      90%	
<b>BATTERY</b>				
Battery Type**	LiFe 247500	LiFe 485000	LiFe 485000	LiFe 722500
Battery Lifecycle	> 2000			
Single Cell Type	LFP26650P-260			
Battery Numbers**	1	1	2	3
Battery Cell Configuration	8S3P	15S2P	(15S2P) x 2	(24S1P) x 3
Battery Voltage	25,6 V	48V	48V	76,8 V
Battery VAH (Factory Setting)	7.5Ah	5 Ah	10Ah	7.5Ah
Autonomy Time @ Full Load	9.5 minutes	8 minutes	12 minutes	9.5 minutes
Charging Voltage	28VDC $\pm$ 1%	52.5VDC $\pm$ 1%	52.5VDC $\pm$ 1%	84VDC $\pm$ 1%
Charging Mode	2 stage charging management (CC-CV)			
Charging Current	1/2/4/6/8A(max.), adjustable through LCD			
Typical Recharge Time	1.5 hours recover to 90% capacity			
<b>PHYSICAL</b>				
Dimension, D x W x H(mm)	410 x 438 x 88	410 x 438 x 88	510 x 438 x 88	630 x 438 x 88
Net Weight (kgs)	10.8	11.6	15.2	20.5
<b>ENVIRONMENT</b>				
Operating Humidity	20-95 % RH @ 0- 40°C (non-condensing)			
Noise Level	Less than 50dBA		Less than 55dBA	
<b>MANAGEMENT</b>				
Smart RS-232,USB	Supports Windows 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix and MAC			
SNMP	Power management from SNMP manager and web browser			
<b>STANDARD</b>				
EMC/Safety	CE (EMC: EN62040-2 C2) for HV models, FCC (Class A) for LV models, Battery Pack comply to UL1973			

\* Derate capacity to 80% when the output voltage is adjusted to 100VAC/200VAC/208VAC.

\*\* Battery type and numbers can be adjusted upon customer's request.

Product specifications are subject to change without further notice.

