

ARTon Titanium Li-ion RT



- 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) certified
- UN38.3 for battery transportation

ARTon Titanium Li-ion RT UPS Selection Guide

MODEL	ARTon Titanium Li-ion RT 1K	ARTon Titanium Li-ion RT 1.5K	ARTon Titanium Li-ion RT 2K	ARTon Titanium Li-ion RT 3K	
PHASE	Single phase with ground				
CAPACITY	1000 VA / 900 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W	
INPUT					
Nominal Voltage	100/110/115/120/125/127 VAC or 200/208/220/230/240 VAC				
Voltage Range	55 ~ 150 VAC \pm 3% or 110 ~ 300 VAC \pm 3%				
Frequency Range	40Hz ~ 70Hz				
Power Factor	\geq 0.99 @ nominal voltage (100% load)				
THDi	\leq 5% @ 160-265 VAC or 80~140 VAC input and full linear load condition \leq 10% @ 160-265 VAC or 80~140 VAC input and 50% linear load condition				
OUTPUT					
Output Voltage	100*/110/115/120/125/127 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				
EFFICIENCY					
AC Mode @Full load	90%@ Battery fully charged		90%@ Battery fully charged		
ECO Mode @Full load	\geq 96% @ full charged battery				
Battery Mode @Full load	87%		88%		
BATTERY					
Battery Type**	LiFe 247500	LiFe 485000	LiFe 485000	LiFe 722500	LiFe 722500
Battery Lifecycle	> 2000				
Single Cell Type	LFP26650P-260				
Battery Numbers**	1	1	2	2	3
Battery Cell Configuration	8S3P	15S2P	(15S2P) x 2	(24S1P) x 2	(24S1P) x 3
Battery Voltage	25.6V	48V	48V	76.8V	76.8V
Battery VAH (Factory Setting)	7.5Ah	5Ah	10Ah	5Ah	7.5Ah
Autonomy Time @ Full Load	9.5 minutes	8 minutes	12 minutes	9.5 minutes	9.5 minutes
Charging Voltage	28VDC \pm 1%	52.5VDC \pm 1%	52.5VDC \pm 1%	84VDC \pm 1%	84VDC \pm 1%
Charging Mode	2 stage charging management(CC-CV)				
Charging Current	1A/2A/4A(Default)/6A/8A (Adjustable)				
Typical Recharge Time	1.5 hours recover to 90% capacity				
PHYSICAL					
Dimension,DxWxH(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	14.4	20.5
ENVIRONMENT					
Operating Humidity	20-95 % RH @ 0- 40°C (non-condensing)				
Noise Level	Less than 50dBA		Less than 55dBA		
MANAGEMENT					
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				
STANDARD					
EMC/Safety	CE (EMC: EN62040-2 C2) for HV models, FCC (Class A) for LV models, Battery Pack comply to UL 1973				

*Derate capacity to 90% when the output voltage is adjusted to 100VAC/200VAC/208VAC.
Product specifications are subject to change without further notice