



Why come to us for a solution?

Quality products

Wide range of products

Nationwide backup

Locally produced UPS's

Competitively priced

Unique design

Great value for money

After sales service



S-SERIES

ON-LINE UPS 1KVA - 10KVA RT

Compact and efficient, the Sodium UPS Series delivers reliable online double-conversion power protection for critical IT and network equipment. Featuring pure sine wave output, it ensures clean, uninterrupted power during outages and electrical disturbances. Standard models include internal batteries with fast recharge capability for improved availability, while optional external battery banks provide extended runtime. Ideal for server rooms, data centres, and other mission-critical applications.



APPLICATION

Computer Centres, Network Centres, Communication Systems, Automatic Control Systems or Other Critical Systems

FEATURES

- True online double conversion
- 1.0 Output power factor
- Next-Gen bridgeless PFC technology
- Sodium technology
- LCD Display
- Cold start function
- L-N detection function
- >3000 Cycles @ 100% DOD
- Ultra high-speed charging



MODEL	S1RT	S2RT	S3RT	S6RT	S10RT
CAPACITY	1000VA / 1000W	2000VA / 2000W	3000VA / 3000W	6000VA / 6000W	10000VA / 10000W
PHASE	Single phase with ground				
INPUT					
NOMINAL VOLTAGE	208/220/230/240Vac				
VOLTAGE RANGE	110 ~ 300Vac ± 3% at 50% load 176 ~ 276Vac ± 3% at 100% load				
OPERATING FREQUENCY RANGE	50/60 ± 6Hz				
POWER FACTOR	≥0,99 @ nominal voltage (100% load)				
HARMONIC DISTORTION (THDi)	≤4% (linear load) , ≤5% (non-linear load)			≤3% (linear load) , ≤5% (non-linear load)	
OUTPUT					
OUTPUT VOLTAGE	208/220/230/240Vac				
AC VOLTAGE REGULATION (BATTERY MODE)	± 1%				
FREQUENCY RANGE (SYNCHRONIZED RANGE)	50Hz (40 - 60Hz)				
FREQUENCY RANGE (BATTERY MODE)	50 / 60Hz ± 0.1%				
CREST FACTOR	3:1				
HARMONIC DISTORTION (THDv)	≤3% (linear load) ; ≤ 5% (non-linear load)			≤2% (linear load) ; ≤5% (non-linear load)	
TRANSFER TIME Line to battery	0ms				
TRANSFER TIME Inverter to Bypass	4ms (Typical)				
WAVEFORM (BATTERY MODE)	Pure Sine Wave				
OVERLOAD Line Mode %	30min @ 102%- 110% 10min @ 110-130% 30s @ 130%-150% ≤200ms @ 150%			10 min @ 102%-110% 1 min @ 110-130% 10s @ 130%-150% ≤200ms @ 150%	30 min @ 102%-110% 10min @ 110-130% 30s @ 130%-150% ≤200ms @ 150%
OVERLOAD Battery Mode %	1min @ 102%- 110% 10s @ 110-130% 3s @ 130%-150% ≤200ms @ 150%			10 min @ 102%-110% 1min@ 110-130% 10s @ 130%-150% > 500ms @ 150%	
EFFICIENCY					
LINE MODE (FULLY CHARGED)	>93%	>93%	>94,5%	95.5%	
ECO MODE (FULLY CHARGED)	≥ 97%			98.5%	
BATTERY MODE	>90%	>92%	>93%	95%	
BATTERY					
ENERGY	230.4 Wh	460.8Wh	614.4Wh	No internal battery	
RUN TIME (100% load)	5.0 min	5.0 min	4.5 min		
RUNTIME (50% load)	15.5 min	15.5 min	15.0 min		
CHARGING TIME	< 1hour (Temp 25°C)				
BATTERY TYPE	Sodium-ion				
CHARGING VOLTAGE	45.0Vdc '±5%	90.0Vdc '±5%	120.0Vdc '±5%	240Vdc/300.0Vdc'±5%	240.0Vdc'±5%
CHARGING CURRENT	3A	3A	3A	3A	3A
INDICATORS					
LCD PANEL	Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode, and Fault Indicator				
ALARM					
BATTERY MODE	Sounding every four seconds				
BYPASS MODE	Sounding every two minutes				
LOW BATTERY	Sounding every second				
OVERLOAD	Sounding every second				
FAULT	Continuously sounding				
PHYSICAL(RT) (Sodium-ion)					
CARTON SIZE (W*D*H)(mm)	555 x 490 x 200	555 x 620 x 200	555 x 700 x 200	555 x 295 x 750	
CASE SIZE (W*D*H)(mm)	440 x 355 x 85	440 x 485 x 85	440 x 560 x 85	545 x 190 x 700	
NET WEIGHT (kg)	7.9kg	12.3kg	15.5kg	32kg	35,4kg
PACKING WEIGHT (kg)	10.4kg	15.4kg	18.8kg	35,3kg	38,5kg

MODEL	BP-SRT
RATED VOLTAGE (V)	240
RATED CAPACITY (mAh)	6400
RATED ENERGY (Wh)	1536.0
VOLTAGE RANGE (V)	160-300
CUT-OFF VOLTAGE (V)	160
RECOMMENDED CHARGE CURENT (A)	3
MAX CHARGE CURRENT (A)	6
MAX DISCHARGE CURRENT (A)	50
NAME OF BATTERY MODULE	NA-481840W
NUMBER OF MODULES	5
PHYSICAL PARAMETER	
DIMENSIONS L*W*H(mm)	440 * 680 * 85
NET WEIGHT (Kg)	25.5
COMMUNICATION PORT	USB
DISPLAY	LED
TERMINAL	SBS50(Blue)
ENVIRONMENT PARAMETER	
HUMIDITY (%)	5~95 RH
CHARGE TEMPERATURE RANGE (°C)	-20~40
DISCHARGE TEMPERATURE RANGE (°C)	-20~40
RECOMMENDED OPERATING TEMPERATURE (°C)	-20~50
COOLING TYPE	NATURAL
ALTITUDE (M)	<4000
SERVICE LIFE	
CYCLE LIFE	>3000
CERTIFICATION	
SAFETY & CERTIFICATION	UN38.3/MSDS
IP RATING	IP20
MECHANICAL SPECIFICATIONS	
CELL TYPE-CHEMISTRY	Sodium-ion
BASIC PERFORMANCE	
CYCLE LIFE	3000 times (100% DOD)
PHYSICAL PARAMETER	
INTELLIGENT BATTERY MONITORING UNIT	Built-in
COMMUNICATION PORT	CAN
TEMPERATURE PERFORMANCE	
CHARGE TEMPERATURE (°C)	-20~40
RECOMMENDED CHARGE TEMPERATURE (°C)	0~25
DISCHARGE TEMPERATURE (°C)	20~40
STORAGE TEMPERATURE (°C)	-20~50