

Tower Standard 6-10kVA UPS

BLACKCURREN

T-SD.6KH-B192C1
T-SD.10KH-B192C1

This UPS adopts a double-conversion pure online architecture, featuring zero transfer time when switching between battery and mains power supply modes. It supports fixed-frequency output, which can effectively ensure the reliability of load power supply. Meanwhile, it utilizes advanced DSP digital control technology to provide stable and reliable sine wave power supply. Equipped with three-level inverter technology, it is energy-efficient with lower harmonics and can adapt to various loads.

PF1

Power Factor 1.0



Charging Current 1-12A



EMI Class A



Normal Mode Efficiency 95.5%

Wide Input Voltage Range
110-300VAC**DUAL**Dual AC Output
(customized)Smart Fan
Speed ControlFull Protection of Over-
voltage/current/temperature

Specifications

Model	R-SD.6KH-B192C1	R-SD.6KH-B192C1
Rated Power	6kVA/6kW	10kVA/10kW
Topology Type	Double Conversion Online UPS	
Input/Output Phase	Single Phase Input / Single Phase Output	
Input		
Input Wire	Single-phase two-wire(L, N)+PE	
Input Voltage Range	Neutral-to-Live Voltage: 110~300VAC	
Input Frequency Range	44~56Hz / 54~66Hz, default	
Input Power Factor	≥0.99	
Output		
Output Wire	Single-phase two-wire(L, N)+PE	
Rated Voltage	208/220/230/240VAC	
Output Voltage Accuracy	±1%	
Output Frequency	50/60±6Hz(Phase-Locked to Mains) / 50/60Hz±0.1%(Fixed Frequency Mode)	
Waveform	Pure Sine Wave	
Output Distortion	≤3%(Linear Load)	
THDV%	≤5%(Non-linear Load)	
Overload	Mains Mode:	Battery Mode:
	30mins@102%-110% Rated Load	10mins@102%-110% Rated Load
	10min@110%-130% Rated Load	1min@110%-130% Rated Load
	30s@130%-150% Rated Load	10s@130%-150% Rated Load
	200ms@>150% Rated Load	200ms@>150% Rated Load
Efficiency		
Mains Mode	Maximum Efficiency: 95.5%, Full-load Efficiency: 95%	
Battery Mode	Maximum Efficiency: 95.3%, Full-load Efficiency: 94.8% (with 20 batteries)	
Battery and Charger		
Battery Voltage/Quantity ^①	192VDC/16PCS (Inside)	192VDC/16PCS (Inside)
Battery Capacity	12V/7AH	12V/7AH
Backup Time	Half Load≥6 mins	Half Load≥5 mins
Charging Current	Standard UPS(battery inside): 1A	
Structure and Shape		
Structure	Tower Type	
Dimensions	190mm(W)x615mm(H)x460mm(D)	
Weight(kg)	50.6	53.1
HMI		
LCD Display	Display input and output voltage, frequency, load percentage, working mode, and machine status	
Communication Interface	RS232(Standard Configuration) /USB/EPO	
Expansion Slot	Optional network monitoring card, supporting remote monitoring via PC and mobile phone, MODBUS, and dry contact card	
Environment		
Operating Temperature Range	-10 ~45℃	
Operating Humidity Range	0~98%(Non-condensing)	
Noise	<50dB @ 1 meter	

① Other battery configurations can be customized

Front and Back Panel

