



E-SW Series

AC Input : 220VAC, DC Output : 110VDC

Features :

- Wide Input Range 220VAC +/-25%
- High Input Efficiency $\geq 95\%$
- Built-in Battery for DC Power Back-up
- Multi-Protection and Warning

E-SW220VAC-110DC Series DC Voltage UPS

Specification :

Type and Model		220V AC input 110V DC output power module	
Parameter		E-SW220AC-110DC-10A	E-SW220AC-110DC-20A
Input	Input voltage	220V AC $\pm$ 25%, single phase	
	AC input frequency	45Hz ~ 65Hz	
	Efficiency	$\geq$ 95%	
	Power factor	$\geq$ 0.93	
Output	Output voltage	95-150V	
	Output current	1-10A	2-20A
	power (W)	1500	3000
	Start delay	3 ~ 8s	
	Current stabilization	$\leq \pm 0.5\%$	
	Ripple	$\leq 0.2\%$	
	Voltage stabilization	$\leq \pm 0.5\%$	
	Power module parallel	Power module parallel could increase the output current to any range, output voltage keep the same 220V or 110V DC, Current sharing imbalance for Power module parallel $\leq \pm 3\%$	
Cooling method		Natural cooling with heat sink	
Protocol		RS485 or RS232	
Acoustic noise		<50dB	
Protection	Multi-protection	Multi-protection and Warning, including input over or under-voltage, output over or under-voltage, over-temperature, reverse connection, phase failure, and short circuit protection. The rectifier will shut down without output, and will return to normal operating after fault is cleared.	
	Automatic current limiting	The output current will keep fixed without increase after it exceed the set-point, set-point adjustable.	
Intelligent function-microprocessor control	manual control	(1) Output DC voltage and current adjustable, output over or under-voltage set-point adjustable, output over-current set-point adjustable. (2) Intelligent battery management, including automatic switch between boost charge and float charge, time and point setting for boost charge and float charge. (3) Detecting AC input, detecting battery voltage & current and temperature, automatic adjusting the charging voltage according to the battery temperature (need Complex Information Detector and Battery Detector). (4) Detecting the bus and branch insulation status (need Insulation Status Detector), detecting the switch status (need Switch Status Detector) (5) Battery discharging management (need Battery Detector)	
	4 remote monitoring and supervisory	4 remote monitoring and supervisory through RS485 with detector : Remote signaling : transmit signal to the monitoring system, such as AC input fault, input over or under voltage, rectifier and battery over temperature ect. Remote measuring : measure DC output current and voltage, shows in the rectifier LCD and transmit to the monitoring system. Remote controlling: control the rectifier power on/off, control the switch between boost charge and float charge. Remote adjusting: adjust the output DC voltage and current.	
Environment	Operation ambient temperature	-20°C ~ 50°C D31	
	Storage temperature	-40°C~ 60°C'	
	Relative humidity	$\leq 90\%$	
	Air pressure	70 ~ 106kPa	
Safety	Insulation resistance	I/O to chassis and input to output >10M Ω (Test voltage: 500Vdc)	
	Dielectric strength	Impose 2000Vdc between I/O and the chassis after shorting the input and output for one minutes. No breakdown or flashover	
Battery	Type	Sealed Lead-acid, Maintenance Free	
	Backup Time	Depends On Battery Quantity	
Physical	Dimension (L x H x W) cm	SS-BC (Medium Tower) : 59 x 58 x 22 cm SS-BB-E (High Tower) : 66 x 72 x 22 cm. SS-BD (Big Tower) : 63.5 x 79 x 44 cm..	

* Any option and all specifications can be customized by order

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** Specification are subject to change without notice



DC Voltage UPS

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