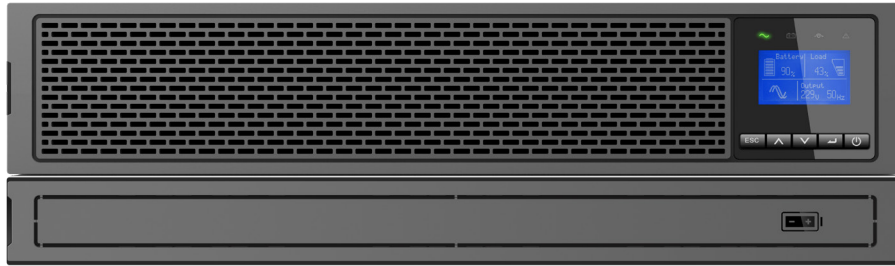


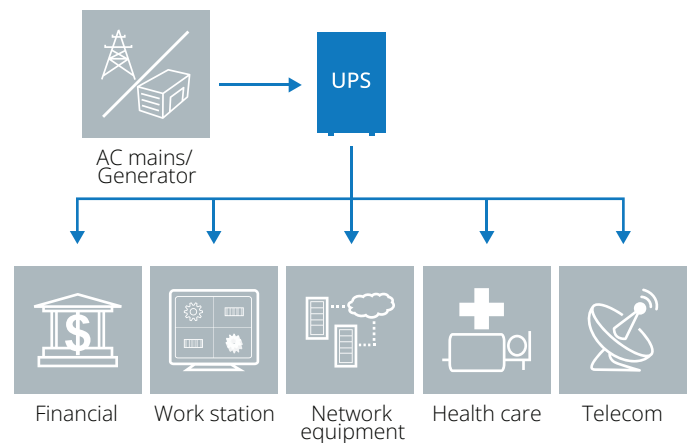
EssentialPower XSRT IoT Lithium-Ion 1-3KVA



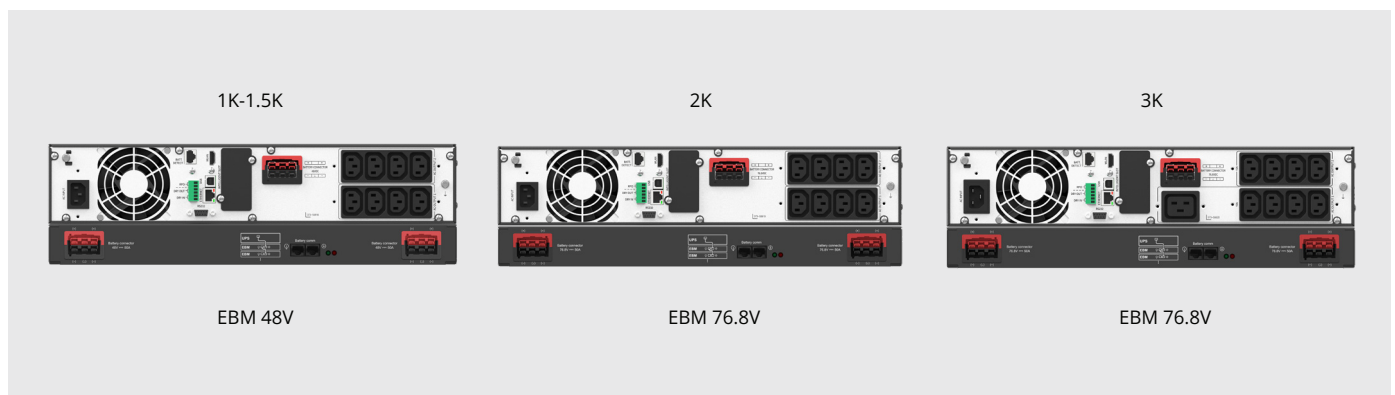
Key features

- Maximum output power factor is 1, VA=W
- Up to 94% leading efficiency.
- Level 3 Built-in lithium battery, synchronization with UPS (Capacity, health, behavior, external balancing)
- Extended backup time with up to 4-6 optional EBM, with automatic detection
- Compact design: 2U UPS+ 1U EBM
- Rack/tower dual set-up with rotatable LCD panel
- USB, RS232 port, dry contacts, RPO & ROO connectors, optional SNMP
- Built-in Ethernet port for cloud connection
- Certification: CE, UN38.3, IEC62019, UL1973(PACK).

Typical application



Rear panel



Product specification

Model name		1K	1.5K	2K	3K
Power rating	VA/Watt	1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W
Efficiency	Line mode	up to 91.3%	up to 92.1%	up to 93.8%	up to 94%
	ECO mode	up to 97.1%	up to 98.2%	up to 97.8%	up to 98.4%
Input performance	Voltage range	160-300V 100% load, 110-160V derating to 50% load linearly			
	Rated frequency	50Hz/60Hz			
	Frequency range	40Hz-70Hz (45Hz-55Hz, 54Hz-66Hz @ load>60%)			
	PF	>0.99			
	THDI	<5.5%		<5%	
Input connection	Socket (RT)	1x IEC C14		1x IEC C20	
Output performance	Rated voltage	200/208/220/230/240 VAC (derating 10% at 208V, derating 20% at 200V)			
	Rated frequency	50Hz/60Hz			
	Maximum PF	PF = 1			
	Voltage accuracy	±1%			
	THDV	<1% linear load; <4% nonlinear load			
	Transfer time	0ms@line <=> battery; 4ms @ line <=> bypass; 10ms @ ECO <=> Inverter			
	Crest Ratio	Max 3:1			
	Overload	100%<load≤105% continuous , 105%< load ≤125% for 5 minutes 125%<load≤150% for 30 seconds , >150% for 500ms			
Output connection	Socket	1 main outlet group (with 4 x IEC C13) 1 programmable outlet group (with 4 x IEC C13)			1 main outlet group (with 1 x IEC C19 + 4 x IEC C13) 1 programmable outlet group (with 4 x IEC C13)
	Load segment control	1 programmable load segment control			
Battery	Voltage	48VDC		76.8VDC	76.8VDC
	Capacity (AH)	9Ah		9Ah	9Ah
	Material	Lithium-Ion (LiFePO4)			
Maximum EBM quantity		6			
EBM auto detection		Yes			
Battery Hot swappable		Yes			
Charger	Charging method	BMS			
	Charging current	1.5A		1.5A	1.5A
	Recharging time	3.6h to 90%		4.6h to 90%	4.6h to 90%
Other mode	CVCF	Yes (derating to 60% load)			
HMI	Display	Dot matrix LCD (optional segment LCD)			
	Language	Multi-Language			
	USB	USB 2.0 with HID power device			
	RS232	Yes (DB9)			
	Dry in/out	1 programmable dry in; 1 programmable dry out			
	RPO	Yes			
	Intelligent slot	Yes (for long card)			
	Network card	Optional, NMC long card			
	Modbus card	Optional, CMC Long Card			
	Dry contactor card	Optional, AS400 Long Card			
	Wireless module	Optional			
	IOT Ethernet port	RJ45			
	Monitor software	Winpower, Winpower View APP			
Physical performance	Dimension (W*D*H)mm	438*445*85.5(2U)		438*600*85.5(2U)	
	IP protection level	IP20			
	Plug solid	Optional			
	Wheel	No			
Environment	Operating temperature	0-40°C			
	storage temp	0 to 40°C (32 to 104°F) with batteries & -25 to 55°C (5 to 140°F) without batteries			
	Relative Humidity	0-95%			
	Operating Altitude	0~3000m (the load derating 1 % every up 100m @1000~3000m)			
	Acoustic Noise	<45dB at front 1m		<50dB at front 1m	
Certification	UPS	CE/CB, IEC62040, UN38.3, UL1973 compliant (Pack)			
	EBM	IEC62619, UN38.3, UL1973 compliant			
EMI	Conduction / Radiation	C2			
EMS	ESD	IEC/EN 61000-4-2			
	RS	IEC/EN 61000-4-3			
	EFT	IEC/EN 61000-4-4			
	Surge	IEC/EN 61000-4-5			

