

UBird-X Portable Suitcase Energy Storage Solutions

UBird-X series can connect with solar panels, grid (or generator), load, it built-in LFP battery, hybrid inverter and energy management system (EMS) . UBird-X has four working modes: SOL(Solar first), UEI(Utility first), SBU(Solar-Battery-Utility), SUB (Solar-Utility -Battery) . These working modes are described referring to the setting part on user manual.



[⚡] Features

- Suitcase design, Compact and elegant outlook, easy to move for power supply
- Single phase Euro or U.S. standard design, support multiple mode grid voltage standard
- Support access to charging from solar PV and grid; be with UPS function;
- Hybrid working modes (Solar-first, Utility-first, Solar-Utility-Battery) ;
- Easy to install and maintain; Meet DIY demands and customized requirements from different customers;
- Multiple-protection and warning system, safe and reliable;
- Meet TUV, SAA, CE ,UN38.3 etc. certification requirements;

[🔌] Applications

- Emergency Backup power
- House repairs and mowing
- Portable charging and lighting
- Backup power for traveling and aerial photography
- Emergency rescue
- Military backup power
- Construction site power supply

UBird-X

Portable Suitcase Energy Storage Solutions

Models		UBird-X-Mini-30E	UBird-X-Mini-20U	UBird-X-Plus-50E	UBird-X-Plus-30U
Battery	Nominal Voltage	51.2Vdc			
	Voltage Range	45~57.6Vdc			
	Capacity	3430wh		5120wh	
	Max.discharge rate	1C			
	Max.charge rate	1C			
	Battery Type	Li-ion (LFP)			
AC Output	Rated Power	3000W	2000W	5000W	3000W
	Surge Power	6000W	4000W	10000W	6000W
	Output Voltage	220/230/240Vac	100/110/120Vac	220/230/240Vac	100/110/120Vac
	Output Current	13.7A	20A	22A	30A
	Rated Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	VTHD	< 3%	< 3%	< 3%	< 3%
	Output Wave	Pure Sine Wave			
	Output Type	AC Socket × 2 ; 48Vdc Socket × 1			
	Max. Efficiency	93%			
AC Input	AC Input Voltage Range	170~280Vac	65~140Vac	170~280Vac	65~140Vac
	AC Input Frequency	50/60Hz			
	Max AC Charge Current(Battery)	15A(0~15A) Adjustable	30A(0~60A) Adjustable	30A(0~60A) Adjustable	30A(0~60A) Adjustable
PV Input	Max. PV Power(Recommended)	1500W	4000W	4000W	4000W
	Max. PV Voltage	145Vdc	250Vdc	450Vdc	250Vdc
	MPPT Range/MPPT 电压范围	60~115Vdc	120~250Vdc	120~430Vdc	120~250Vdc
	Max PV Charge Current(Battery)	30A	80A	80A	80A
Operating Conditions	Operating Temperature	0~50℃			
	Storage Temperature	-15~60℃			
	Humidity	5%~95%			
	Cooling Strategy	Fan			
	Weight	50kg	50kg	63kg	50kg
	Dimension [W*D*H]	430*285*495mm	430*285*495mm	500*285*542mm	430*285*495mm
	Packing	wooden case			
	Packing Dimension [W*D*H]	620*510*370mm	620*510*370mm	667*580*370mm	620*510*370mm
	Enclosure Protection Rating	IP30			
	Communication	WIFI/RS485			
	Warranty	2 years			