

Ultra Cube

The off-grid system Ultra Cube provides reliable backup power in areas with unstable power grids. It offers a 2.4 kWh / 4.8 kWh selectable battery capacity, dual-channel MPPT, and high PV conversion efficiency.



Expandable On Demand

All in one, 2.4kWh/4.8kWh capacity options, easy to move by one person



No Black Out

UPS ≤ 20ms, ensuring the stability of household electricity consumption



Dual MPPT

Suitable for multi-orientation roofs, high PV conversion efficiency



Flexible Applications

Suitable for a wide variety of scenarios, equipped with wheels to make it easy to move.

Model	Ultra Cube			
Model Name	D2.4XC-2.4		D2.4XC-4.8	
Battery Data				
Battery Type	LiFePO ₄			
Single Cell Rated Energy (kWh)	2.4			
Single Cell Nominal Capacity (Ah)	50			
Number of modules	1			2
System capacity(kWh)	2.4			4.8
Rated Voltage (V)	48			
Maximum Input power of the battery system (W)	1200			2400
Maximum Output power of the battery system (W)	1200	2000	2000	
Cycle Life	6000			
Max Grid Charging Power (W)	1200			1680
Max Grid Continuous Charging Current (A)	25			30
Max PV Charging Power (W)	1200			2400
Max PV Continuous Charging Current (A)	25			50
PV String Input Data				
Max.PV Input Power (W)	1200			2400
Number of DC input	4			
Number of MPP Trackers	2			
Max. Input Voltage (V)	65			
MPPT Range(V)	18-60			
Max.Input Current(A)	28			
Off-grid Output Data				
Nominal Output Voltage (V)	120	230	120	230
Nominal Apparent Power (VA)	1200			2400
Nominal Output Frequency (Hz)	50/60			
THDv	≤3%			
Overvoltage Protection	Integrated			
Short Circuit Protection	Integrated			
Overtemperature Protection	Integrated			
AC Input Data (On-grid)				
Input Voltage Range (V)	90-132	180-264	90-132	180-264
Nominal AC Grid Frequency (Hz)	50/60			
Max. AC Current From Utility Grid (A)	18	12	18	12
Grid Input Overload Current (A)	20	12	20	12
Power Factor	≥0.97			
Grid To Off-grid Transfer Time (ms)	≤20			
Off-grid To Grid Transfer Time (ms)	≤10			
General Data				
Dimension (W/H/D mm)	540/560/252(Without Wheel)			
Weight (kg)	43.5			65.5
Ingress Protection Rating	IP20			
User Interface	LCD			
Communication with BMS	CAN			
Cooling Method	Fan Cooling			

