

High Voltage Lithium-iron Battery Modules

- Lithium Iron Phosphate (LFP) cell guarantees safety and reliability
- Parallel operation up to 5 units for energy expansion
- Suitable for wide range of solar inverters with high-voltage



Compact size and Lightweight

Built-in Lithium Iron Phosphate (LFP) cell with less space and weight.



Fast charging

Battery module can be fully charged in shorter time.



Modular design for easy scalable

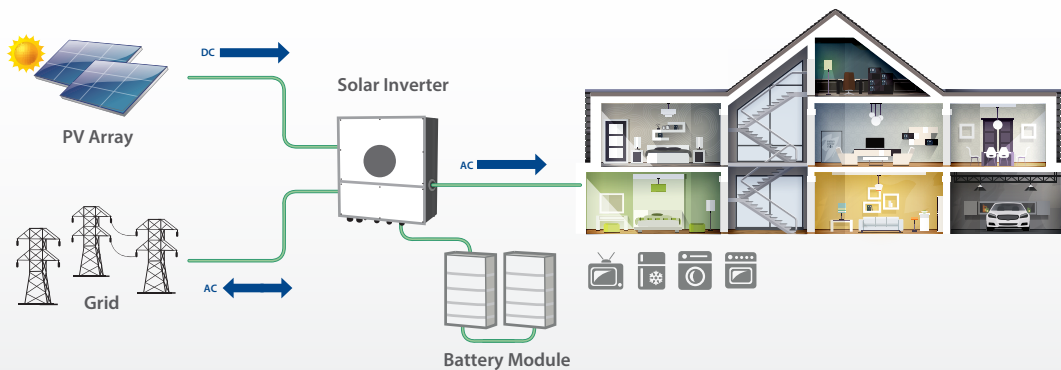
Battery module can be easily stacked and added for energy expansion.



Maximum Lifecycle

8000 cycles is for 60% DOD with >50% capacity
2000 cycles is for 90% DOD with >80% capacity

System Diagram



Technical Specification



BATTERY MODEL		EnergyCube 205	EnergyCube 305	EnergyCube 405
CONTROLLER BOX MODULE		HVC 05	HVC 05	HVC 05
SINGLE BATTERY MODULE		HVB 05 (102.4V/50AH, 5120Wh)	HVB 05 (102.4V/50AH, 5120Wh)	HVB 05 (102.4V/50AH, 5120Wh)
NUMBERS OF MODULES		2	3	4
PARAMETERS				
Nominal Voltage		204.8VDC	307.2VDC	409.6VDC
Full Charge Voltage (FC)		230VDC	345VDC	460VDC
Full Discharge Voltage (FD)		192VDC	288VDC	384VDC
Typical Capacity		50Ah		
Typical Energy		10KWH	15KWH	20KWH
Max Continuous Discharging Current		60A		
Max Peak Discharging Current		75A		
Protection		BMS & Circuit Breaker		
Charge Voltage		230VDC	345VDC	460VDC
Charge Current		10A		
Maximum Charge current		25A		
Standard Charge Method		0.2C CC (Constant current) charge to FC, CV (Constant voltage FC) charge till charge current decline to <0.05C		
Inner Resistance		≤20m ohm		
PHYSICAL				
Single Battery Module	Dimension, D x W x H (mm)	630 x 220 x 320	630 x 220 x 320	630 x 220 x 320
	Net Weight(Kg)	48	48	48
Controller Box	Dimension, D x W x H (mm)	630 x 220 x 210	630 x 220 x 210	630 x 220 x 210
	Net Weight(Kg)	9	9	9
Complete Set	Dimension, D x W x H (mm)	630 x 220 x 950	630 x 220 x 1270	630 x 220 x 1590
	Net Weight(Kg)	110	158	206

Product specifications are subject to change without further notice.