

## Energy storage cube Low Voltage Series



### APPLICATION :

- ◆ Hospital , Bank, Airport , Power plant and Other Systems
- ◆ Solar energy storage cabinet
- ◆ Long-last UPS battery
- ◆ Telephone Switch, Telecom Room SMR, Hospitals, Banks and large and medium-sized enterprises application distributed server room independent UPS



	MODEL	ESC10L	ESC15L	ESC20L
Electrical Characteristics	Rate voltage(VDC)	48	48	48
	Module rate capacity(AH)	100	100	100
	Built in module quantity	2	3	4
	Energy storage(KWH)	9.6	14.4	19.2
	Cycle life	DOD(≥1800 cycles to 85% DOD).		
	Months self discharge	≤2%		
	Efficiency of charge	100% at 0.2C		
	Efficiency of discharge	96~99% at 1C		
Standard Charge	Built in BMS(Yes/No)	YES		
	Charge voltage(Vdc)	58.4±0.2V		
	Charge mode	0.2C to 58.4V, then 58.4V, charge current to 0.02C (CC/CV)		
	Charge current(A)	40	60	80
	Max. Charge current(A)	60	90	120
Standard Discharge	Charge cut-off voltage(Vdc)	54.8±0.2V		
	Contiuous current(A)	60	90	120
Environmental	Discharge cut-off voltage(VDC)	37.5		
	Charge temperature	0 ℃ to 45 ℃ (32F to 113F) @60±25% Relative Humidity		
	Discharge temperature	-20 ℃ to 60 ℃ (-4F to 140F) @60±25% Relative Humidity		
Mechanical	Storage temperature	0 ℃ to 40 ℃ (32F to 104F) @60±25% Relative Humidity		
	IP class	IP63		
	Material system	LiFePO4		
	Case material	Metal		
	Dimensions: H*W*D(mm)	1050*600*600		
	Weight(kg)			
	Terminal	M8		
	Protocol(Optional)	SMBus/RS485/RS232		
	SOC(Optional)	LED/LCD		
	The quality assurance period	60 months		

## Energy storage cube Low Voltage Series



### APPLICATION :

- ◆ Hospital , Bank, Airport , Power plant and Other Systems
- ◆ Solar energy storage cabinet
- ◆ Long-last UPS battery
- ◆ Telephone Switch, Telecom Room SMR, Hospitals, Banks and large and medium-sized enterprises application distributed server room independent UPS



	MODEL	ESC10H	ESC15H	ESC20H
Electrical Characteristics	Rate voltage(VDC)	51.2	51.2	51.2
	Module rate capacity(AH)	200	150	200
	Built in module quantity	2	4	4
	Energy storage(KWH)	10.24	15.36	20.48
	Cycle life	DOD(≥1800 cycles to 85% DOD).		
	Months self discharge	≤2%		
	Efficiency of charge	100% at 0.2C		
	Efficiency of discharge	96~99% at 1C		
Standard Charge	Built in BMS(Yes/No)	YES		
	Charge voltage(Vdc)	58.4±0.2V		
	Charge mode	0.2C to 58.4V, then 58.4V, charge current to 0.02C (CC/CV)		
	Charge current(A)	40	60	80
	Max. Charge current(A)	60	90	120
Standard Discharge	Charge cut-off voltage(Vdc)	54.8±0.2V		
	Contiuous current(A)	60	90	120
Environmental	Discharge cut-off voltage(VDC)	40		
	Charge temperature	0 ℃ to 45 ℃ (32F to 113F) @60±25% Relative Humidity		
	Discharge temperature	-20 ℃ to 60 ℃ (-4F to 140F) @60±25% Relative Humidity		
Mechanical	Storage temperature	0 ℃ to 40 ℃ (32F to 104F) @60±25% Relative Humidity		
	IP class	IP63		
	Material system	LiFePO4		
	Case material	Metal		
	Dimensions: H*W*D(mm)	1050*600*600		
	Weight(kg)			
	Terminal	M8		
	Protocol(Optional)	SMBus/RS485/RS232		
	SOC(Optional)	LED/LCD		
	The quality assurance period	60 months		