

48v-100Ah LiFePo4 LiFePO4 Lithium Battery Wall-Mounted



Product model	ES-BOX2	ES-BOX5
Product specification	51.2V100Ah	51.2V 200Ah
Nominal voltage	51.2V	51.2V
Nominal capacity	100Ah	200Ah
Cell type	(LFP)	(LFP)
Standard charge voltage	58.4V	58.4V
Max charge current	100A	100A
Discharge cut-off voltage	40V	40V
Max discharge current	100A	100A
Parallels Function	Support 8 units in parallels	Support 15 units in parallels
Communication interface	RS485、RS232、CAN(Optional)	RS485、RS232、CAN(Optional)
Cycle life	≥ 6000 Cycles (80%DOD)	≥ 6000 Cycles (80%DOD)
Charge temperature range	0~65°C	0~65°C
Discharge temperature range	-20~65°C	-20~65°C
Colour	(Grey and white)	(Grey and white)
Dimensions	600*510*173MM	673*618*193MM
Weight	58Kg	83Kg
Installation method	(Wall mounted)	(Wall mounted)

48V-200Ah LiFePo4 LiFePO4 Lithium Battery Wall-Mounted



Product model	ES-BOX2	ES-BOX5
Product specification	51.2V100Ah	51.2V 200Ah
Nominal voltage	51.2V	51.2V
Nominal capacity	100Ah	200Ah
Cell type	(LFP)	(LFP)
Standard charge voltage	58.4V	58.4V
Max charge current	100A	100A
Discharge cut-off voltage	40V	40V
Max discharge current	100A	100A
Parallels Function	Support 8 units in parallels	Support 15 units in parallels
Communication interface	RS485、RS232、CAN(Optional)	RS485、RS232、CAN(Optional)
Cycle life	≥ 6000 Cycles (80%DOD)	≥ 6000 Cycles (80%DOD)
Charge temperature range	0~65℃	0~65℃
Discharge temperature range	-20~65℃	-20~65℃
Colour	(Grey and white)	(Grey and white)
Dimensions	600*510*173MM	673*618*193MM
Weight	58Kg	83Kg
Installation method	(Wall mounted)	(Wall mounted)

48V-300Ah (Cast aluminum version)



Name	48V-300Ah		
Storage capacity	15.36KWh	Standard capacity	300Ah/51.2V
Continuously use input current	100A	Continuously use output current	100A
Standard charging voltage	57.6V-60V	Maximum charging voltage	90V
Charging voltage of solar panel	88V	Cut-off	36V-48V
Charging cut-off voltage	55.2V-58.4V	Maximum solar panel input current	100A
Rshoot delay protection	1000mS	Over-discharge delay protection	1000mS
Short circuit protection recovery	Disconnect load	Short circuit protection delay	330uS
Self-Discharge (25°)	< 3%/month	Depth of discharge	> 80%
Cycle life	> 5000 times (< 0.5C)	C-rate Discharge	< 0.8C
Charge method(CC/CV)	Operation : -20℃—70℃; Recommendation: 10℃—45℃		
Warranty	5 years		

48V-240Ah (Cast aluminum version)



Name	48V-240Ah		
Storage capacity	12288Wh	Standard capacity	240Ah/51.2V
Continuously use input current	100A	Continuously use output current	100A
Standard charging voltage	57.6V-60V	Maximum charging voltage	90V
Charging voltage of solar panel	88V	Cut-off	36V-48V
Charging cut-off voltage	55.2V-58.4V	Maximum solar panel input current	100A
Rshoot delay protection	1000mS	Over-discharge delay protection	1000mS
Short circuit protection recovery	Disconnect load	Short circuit protection delay	330uS
Self-Discharge (25°)	< 3%/month	Depth of discharge	> 80%
Cycle life	> 5000 times (< 0.5C)	C-rate Discharge	< 0.8C
Charge method(CC/CV)	Operation : -20℃—70℃; Recommendation: 10℃—45℃		
Warranty	5 years		

48V-240Ah (with MPPT)



Name	48V-240Ah		
Storage capacity	12288Wh	Standard capacity	240Ah/51.2V
Continuously use input current	100A	Continuously use output current	100A
Standard charging voltage	57.6V-60V	Maximum charging voltage	90V
Charging voltage of solar panel	88V	Cut-off	36V-48V
Charging cut-off voltage	55.2V-58.4V	Maximum solar panel input current	100A
Rshoot delay protection	1000mS	Over-discharge delay protection	1000mS
Short circuit protection recovery	Disconnect load	Short circuit protection delay	330uS
Self-Discharge (25°)	< 3%/month	Depth of discharge	> 80%
Cycle life	> 5000 times (< 0.5C)	C-rate Discharge	< 0.8C
Charge method(CC/CV)	Operation : -20℃—70℃; Recommendation: 10℃—45℃		
Warranty	5 years		

48V-200Ah (Cast aluminum version)



Name	48V-200Ah		
Storage capacity	10240Wh	Standard capacity	200Ah/51.2V
Continuously use input current	100A	Continuously use output current	100A
Standard charging voltage	57.6V-60V	Maximum charging voltage	90V
Charging voltage of solar panel	88V	Cut-off	36V-48V
Charging cut-off voltage	55.2V-58.4V	Maximum solar panel input current	100A
Rshoot delay protection	1000mS	Over-discharge delay protection	1000mS
Short circuit protection recovery	Disconnect load	Short circuit protection delay	330uS
Self-Discharge (25°)	< 3%/month	Depth of discharge	> 80%
Cycle life	> 5000 times (< 0.5C)	C-rate Discharge	< 0.8C
Charge method(CC/CV)	Operation : -20℃—70℃; Recommendation: 10℃—45℃		
Warranty	5 years		

UU48-200 (With MPPT)



Name	BCT-UU 48-200(M)		
Storage capacity	10240Wh	Standard capacity	200Ah/51.2V
Continuously use input current	100A	Continuously use output current	100A
Standard charging voltage	57.6V-60V	Charging voltage of solar panel	120V
Maximum solar panel input current	80A	MPPT	60A
Charging cut-off voltage	54.4V-62.4V	Discharge cut-off voltage	36V-48V
Rshoot delay protection	1000mS	Over-discharge delay protection	1000mS
Short circuit protection recovery	Disconnect load	Short circuit protection delay	330uS
Self-Discharge (25°)	< 3%/month	Depth of discharge	> 80%
Cycle life	> 5000 times (< 0.5C)	C-rate Discharge	< 0.8C
Charge method(CC/CV)	Operation : -20°C—70°C; Recommendation: 10°C—45°C		
Warranty	5 years		

48V-180Ah (Cast aluminum version)



Name	48-180		
Storage capacity	9216Wh	Standard capacity	180Ah/51.2V
Continuously use input current	100A	Continuously use output current	100A
Standard charging voltage	57.6V-60V	Maximum charging voltage	90V
Charging voltage of solar panel	88V	Cut-off	36V-48V
Charging cut-off voltage	55.2V-58.4V	Maximum solar panel input current	100A
Rshoot delay protection	1000mS	Over-discharge delay protection	1000mS
Short circuit protection recovery	Disconnect load	Short circuit protection delay	330uS
Self-Discharge (25°)	< 3%/month	Depth of discharge	> 80%
Cycle life	> 5000 times (< 0.5C)	C-rate Discharge	< 0.8C
Charge method(CC/CV)	Operation : -20℃—70℃; Recommendation: 10℃—45℃		
Warranty	5 years		

48V-180Ah (With MPPT)



Name	48V-180Ah(M)		
Storage capacity	9216Wh	Standard capacity	180Ah/51.2V
Continuously use input current	100A	Continuously use output current	100A
Standard charging voltage	57.6V-60V	Charging voltage of solar panel	120V
Maximum solar panel input current	80A	MPPT	60A
Charging cut-off voltage	54.4V-62.4V	Discharge cut-off voltage	36V-48V
Rshoot delay protection	1000mS	Over-discharge delay protection	1000mS
Short circuit protection recovery	Disconnect load	Short circuit protection delay	330uS
Self-Discharge (25°)	< 3%/month	Depth of discharge	> 80%
Cycle life	> 5000 times (< 0.5C)	C-rate Discharge	< 0.8C
Charge method(CC/CV)	Operation : -20℃—70℃; Recommendation: 10℃—45℃		
Warranty	5 years		