



## Sunpal Energy Storage System

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Sunpal Power strives to provide leading solar energy solutions by offering install-ready PV System packages that can drop shipped throughout the world.

Sunpal's C&I energy storage system offers powerful energy backup and peak shaving capability for commercial and industrial users. Supporting both small-scale distributed and large-scale centralized applications, it improves grid resilience and lowers energy costs while promoting energy independence in various industries.

# SP-51.2V314AH

## BATTERY MODULE INFORMATION



MODEL	SP-314AH
Product	51.2V314AH
Nominal Voltage	51.2V
Nominal Capacity	314AH
Dimension module(mm)	483*245*792mm
Dimension RACK(mm)	483*245*792mm
Weight(kg)	114

SPECIFICATIONS	PARAMETER
Nominal Capacity (KWH)	16.1
Discharge Cut-Off Voltage (V)	44.8
Charge Cut-Off Voltage (V)	56.8
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS

# SUNPA

## 1000V250A

### CONTROL MODULE INFORMATION



Item	Basic Parameters	
	Related Product	1000V 250A
1	AC supply	-
2	System Operation Vdtage (Vdc)	0-1000V
3	Nominal Current(A)	250
4	Self-consumption Power(W)	8
5	Dimension (W*D*H, mm)	450*460*177
6	Communication	RS485/CAN
7	Potection Class	IP20
8	Weight(KGS)	20
9	Operation life	10+
10	Operation Temperature	-20~65
11	Storage Temperature	-40~80

# SP-48K314AH

## ENERGY STORAGE BESS



### MODEL

### SP-48K314AH

Product

153.6V 314AH

Nominal Voltage

153.6V

Nominal Capacity

314

Dimension module(mm)

483\*245\*792mm\*3

Dimension RACK(mm)

550\*780\*1190

Weight(kg)

408

### SPECIFICATIONS

### PARAMETER

Nominal Capacity (KWH)

48.2

Discharge Cut-Off Voltage (V)

132

Charge Cut-Off Voltage (V)

170.4

Recommend Charge/Discharge Current (A)

100

Max. Charge/Discharge working Current(A)

160

Communication

RS485/RS232/CAN

Working Temperature

0°C~50°C Charge -10°C~50°C Discharge

Transport or Storage Temperature Range

-20°C~60°C

Certification

CE/IEC/UN38.3/MSDS

Design Life

15years+

Cycle Life

(0.5C/0.5C-80% DOD)>6000 times

Series Function

Support 16 units in Series

Certification

UN38.3/MSDS

# SP-64K314AH

## ENERGY STORAGE BESS



### MODEL

### SP-64K314AH

Product

204.8V 314AH

Nominal Voltage

204.8V

Nominal Capacity

314

Dimension module(mm)

483\*245\*792mm\*4

Dimension RACK(mm)

550\*780\*1440

Weight(kg)

534

### SPECIFICATIONS

### PARAMETER

Nominal Capacity (KWH)

64.3

Discharge Cut-Off Voltage (V)

176

Charge Cut-Off Voltage (V)

227.2

Recommend Charge/Discharge Current (A)

100

Max. Charge/Discharge working Current(A)

160

Communication

RS485/RS232/CAN

Working Temperature

0°C~50°C Charge -10°C~50°C Discharge

Transport or Storage Temperature Range

-20°C~60°C

Certification

CE/IEC/UN38.3/MSDS

Design Life

15years+

Cycle Life

(0.5C/0.5C-80% DOD)>6000 times

Series Function

Support 16 units in Series

Certification

UN38.3/MSDS

# SP-80K314AH

## ENERGY STORAGE BESS



MODEL	SP-80K314AH
Product	256.0V314AH
Nominal Voltage	256.0V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*5
Dimension RACK(mm)	550*780*1690
Weight(kg)	660
SPECIFICATIONS	PARAMETER
Nominal Capacity (KWH)	80.4
Discharge Cut-Off Voltage (V)	220
Charge Cut-Off Voltage (V)	284
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Curent(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS

# SP-96K314AH

## ENERGY STORAGE BESS



MODEL	SP-96K314AH
Product	307.2V314AH
Nominal Voltage	307.2V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*6
Dimension RACK(mm)	1090*780*1190
Weight(kg)	796
SPECIFICATIONS	PARAMETER
Nominal Capacity (KWH)	96.5
Discharge Cut-Off Voltage (V)	264
Charge Cut-Off Voltage (V)	340.8
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Curent(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS

# SP-112K314AH

## ENERGY STORAGE BESS



MODEL	SP-112K314AH
Product	358.4V314AH
Nominal Voltage	358.4V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*7
Dimension RACK(mm)	1090*780*1190
Weight(kg)	912
SPECIFICATIONS	PARAMETER
Nominal Capacity (KWH)	112.5
Discharge Cut-Off Voltage (V)	308
Charge Cut-Off Voltage (V)	397.6
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Curent(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge-10°C~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS

# SP-128K314AH

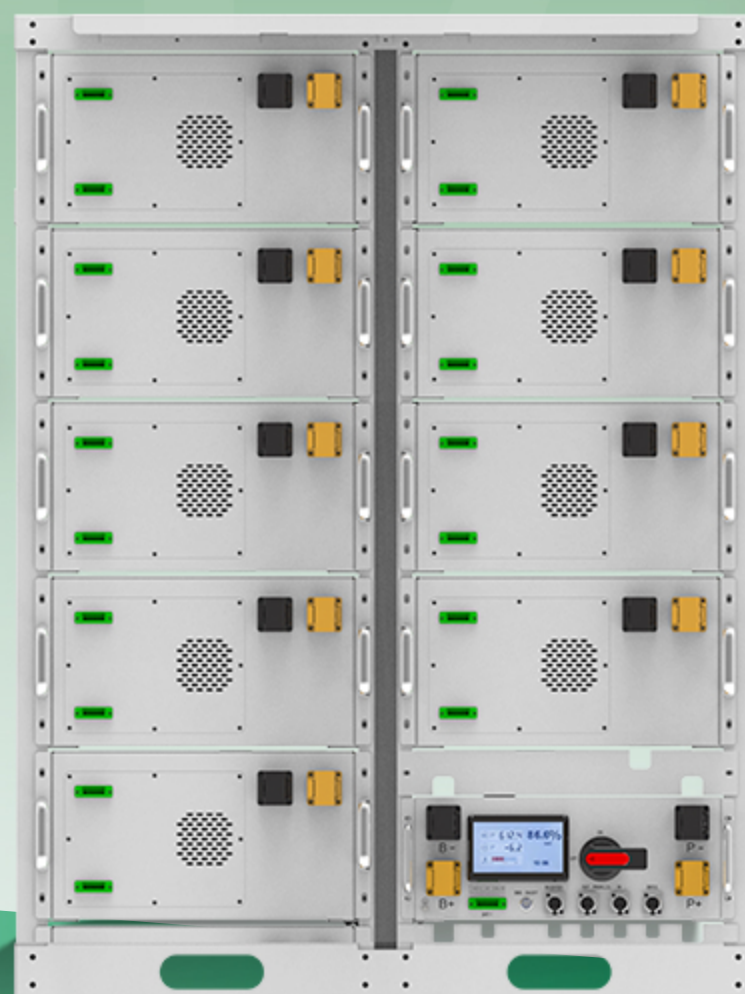
## ENERGY STORAGE BESS



MODEL	SP-128K314AH
Product	409.6V314AH
Nominal Voltage	409.6V
Nominal Capacity	314
Dimension module(mm)	483*245*792mm*8
Dimension RACK(mm)	1090*780*1440
Weight(kg)	1048
SPECIFICATIONS	PARAMETER
Nominal Capacity (KWH)	128.6
Discharge Cut-Off Voltage (V)	352
Charge Cut-Off Voltage (V)	454.4
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge-10°C~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS

# SP-144K314AH

## ENERGY STORAGE BESS



### MODEL

### SP-144K314AH

Product

460.8V 314AH

Nominal Voltage

460.8V

Nominal Capacity

314

Dimension module(mm)

483\*245\*792mm\*9

Dimension RACK(mm)

1090\*780\*1440

Weight(kg)

1164

### SPECIFICATIONS

### PARAMETER

Nominal Capacity (KWH)

144.7

Discharge Cut-Off Voltage (V)

396

Charge Cut-Off Voltage (V)

511.2

Recommend Charge/Discharge Current (A)

100

Max. Charge/Discharge working Current(A)

160

Communication

RS485/RS232/CAN

Working Temperature

0°C~50°C Charge -10°C~50°C Discharge

Transport or Storage Temperature Range

-20°C~60°C

Certification

CE/IEC/UN38.3/MSDS

Design Life

15years+

Cycle Life

(0.5C/0.5C-80% DOD)>6000 times

Series Function

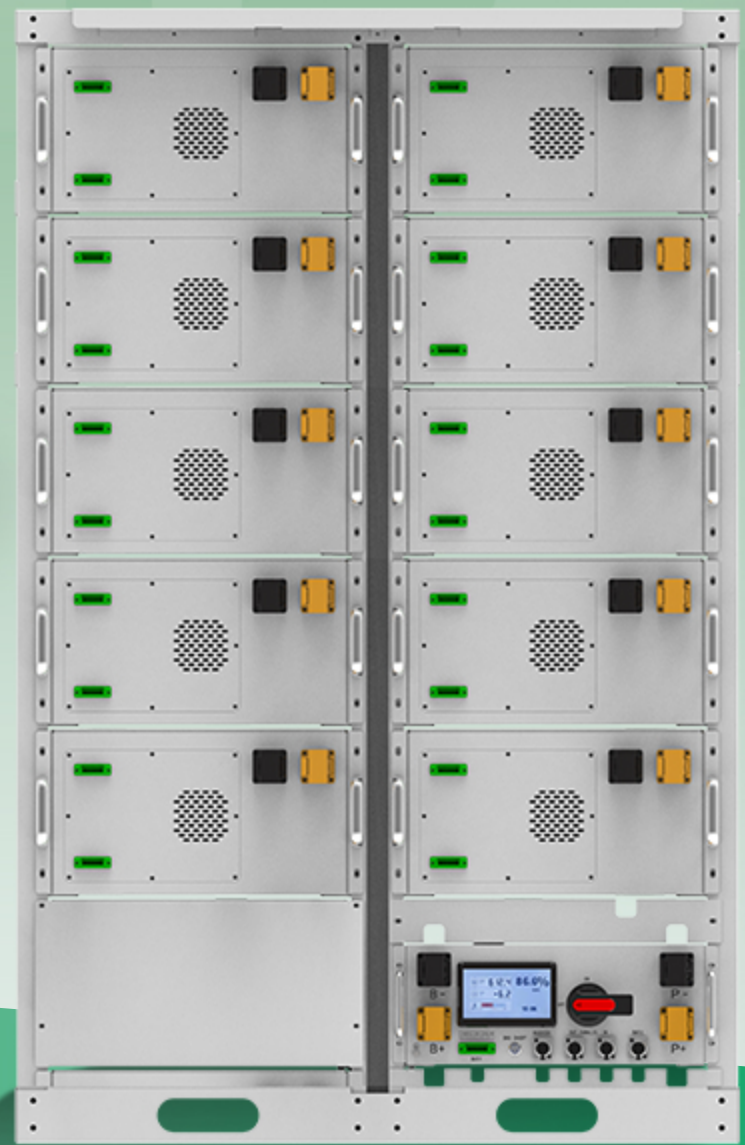
Support 16 units in Series

Certification

UN38.3/MSDS

# SP-160K314AH

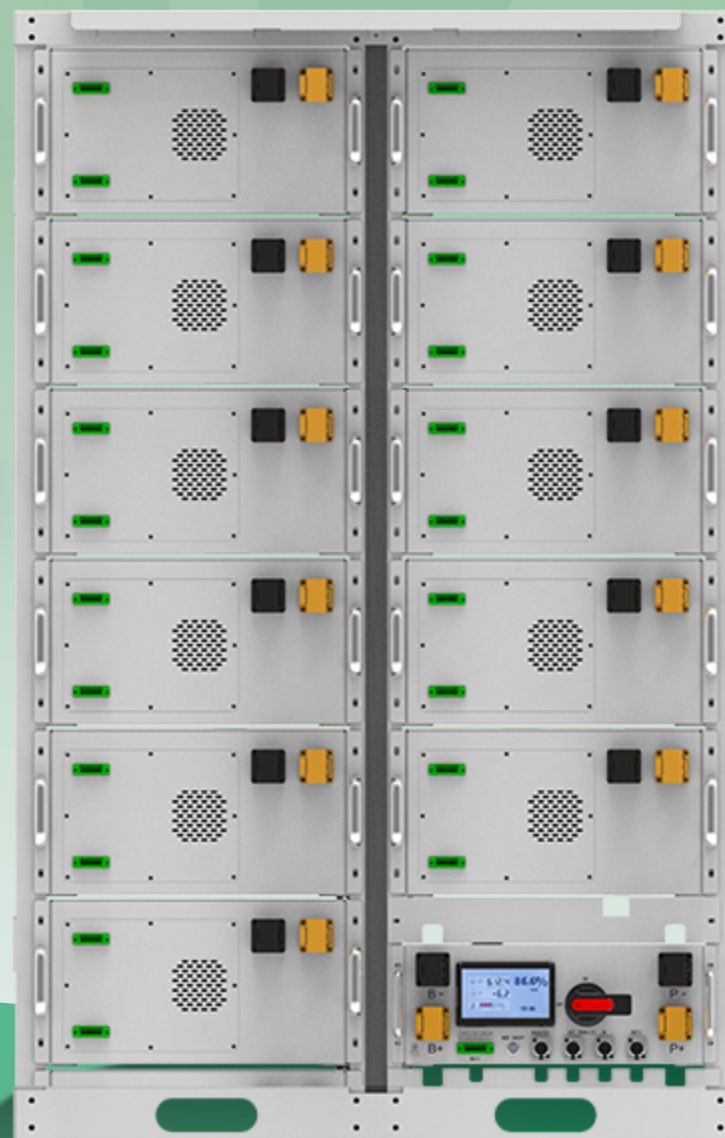
## ENERGY STORAGE BESS



MODEL	SP-160K314AH
Product	512V 314AH
Nominal Voltage	512V
Nominal Capacity	314
Dimension module(mm)	483*245*792mm*10
Dimension RACK(mm)	1090*780*1690
Weight(kg)	1300
SPECIFICATIONS	PARAMETER
Nominal Capacity (KWH)	160.8
Discharge Cut-Off Voltage (V)	440
Charge Cut-Off Voltage (V)	568
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	60
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS

# SP-176K314AH

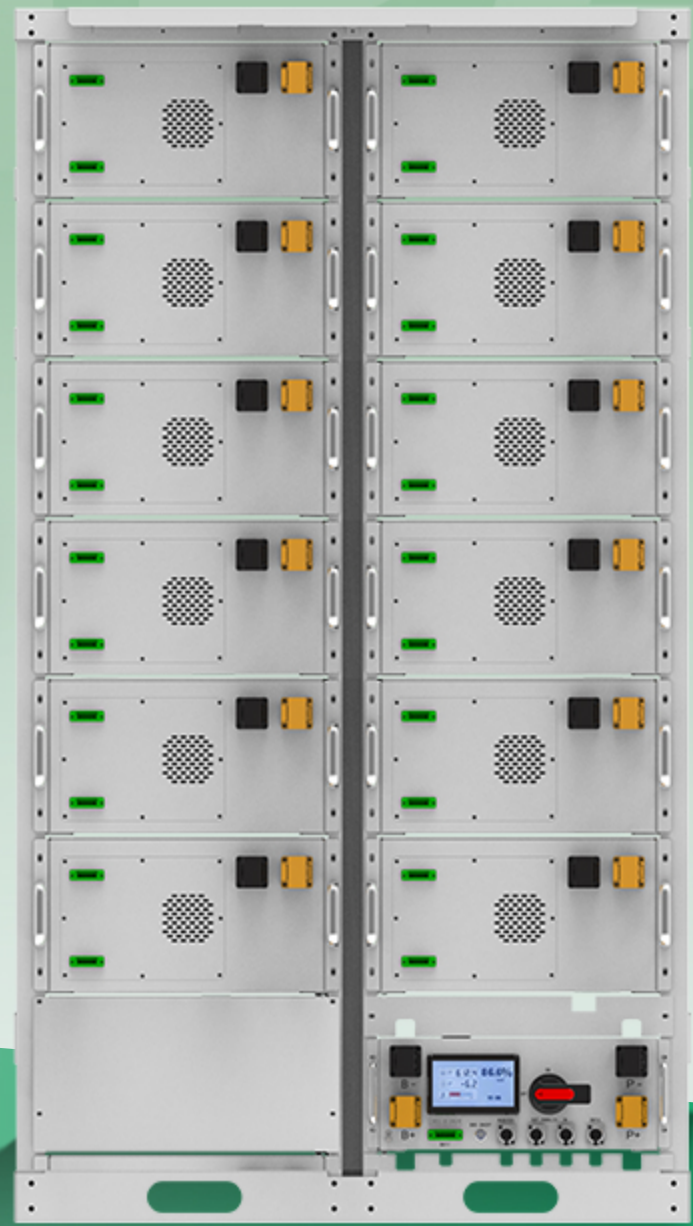
## ENERGY STORAGE BESS



MODEL	SP-176K314AH
Product	563.2V314AH
Nominal Voltage	563.2V
Nominal Capacity	314
Dimension moudle(mm)	483*245*792mm*11
Dimension RACK(mm)	1090*780*1690
Weight(kg)	1416
SPECIFICATIONS	PARAMETER
Nominal Capacity (KWH)	176.8
Discharge Cut-Off Voltage (V)	484
Charge Cut-Off Voltage (V)	624.8
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Curent(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS

# SP-193K314AH

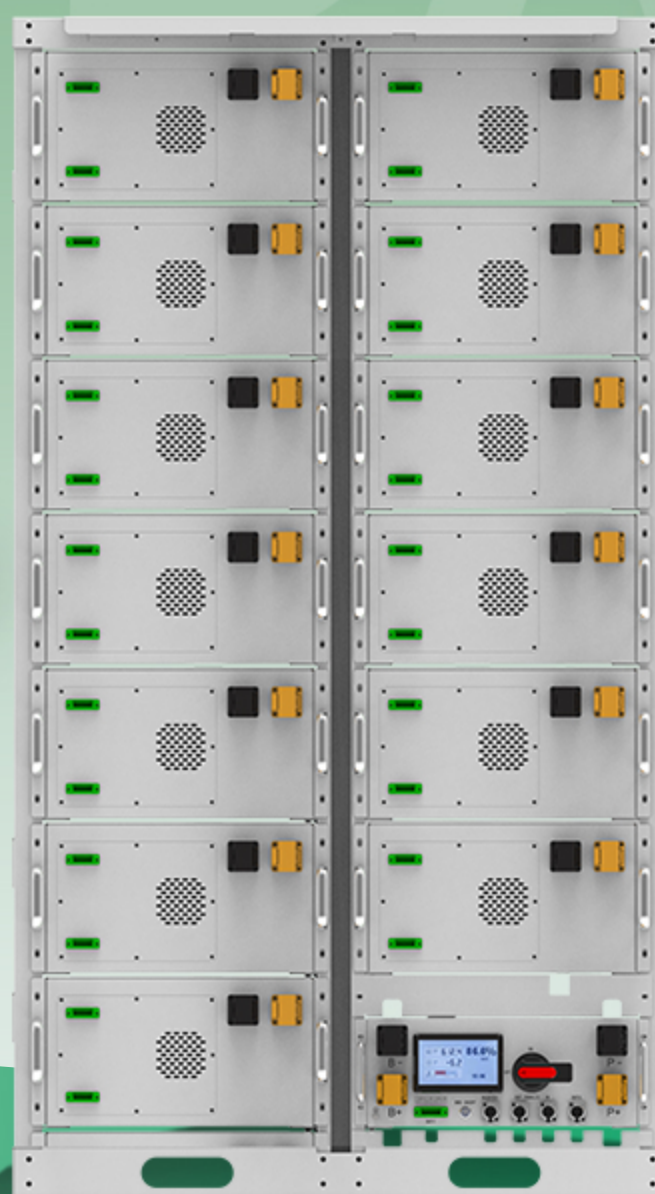
## ENERGY STORAGE BESS



MODEL	SP-193K314AH
Product	614.4V314AH
Nominal Voltage	614.4V
Nominal Capacity	314
Dimension module(mm)	483*245*792mm*12
Dimension RACK(mm)	1090*780*1940
Weight(kg)	1552
SPECIFICATIONS	PARAMETER
Nominal Capacity (KWH)	192.9
Discharge Cut-Off Voltage (V)	528
Charge Cut-Off Voltage (V)	681.6
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS

# SP-209K314AH

## ENERGY STORAGE BESS



### MODEL

### SP-209K314AH

Product

665.6V314AH

Nominal Voltage

665.6V

Nominal Capacity

314

Dimension module(mm)

483\*245\*792mm\*13

Dimension RACK(mm)

1090\*780\*1940

Weight(kg)

1668

### SPECIFICATIONS

### PARAMETER

Nominal Capacity (KWH)

209

Discharge Cut-Off Voltage (V)

572

Charge Cut-Off Voltage (V)

738.4

Recommend Charge/Discharge Current (A)

100

Max. Charge/Discharge working Current(A)

160

Communication

RS485/RS232/CAN

Working Temperature

0°C~50°C Charge -10°C~50°C Discharge

Transport or Storage Temperature Range

-20°C~60°C

Certification

CE/IEC/UN38.3/MSDS

Design Life

15years+

Cycle Life

(0.5C/0.5C-80% DOD)>6000 times

Series Function

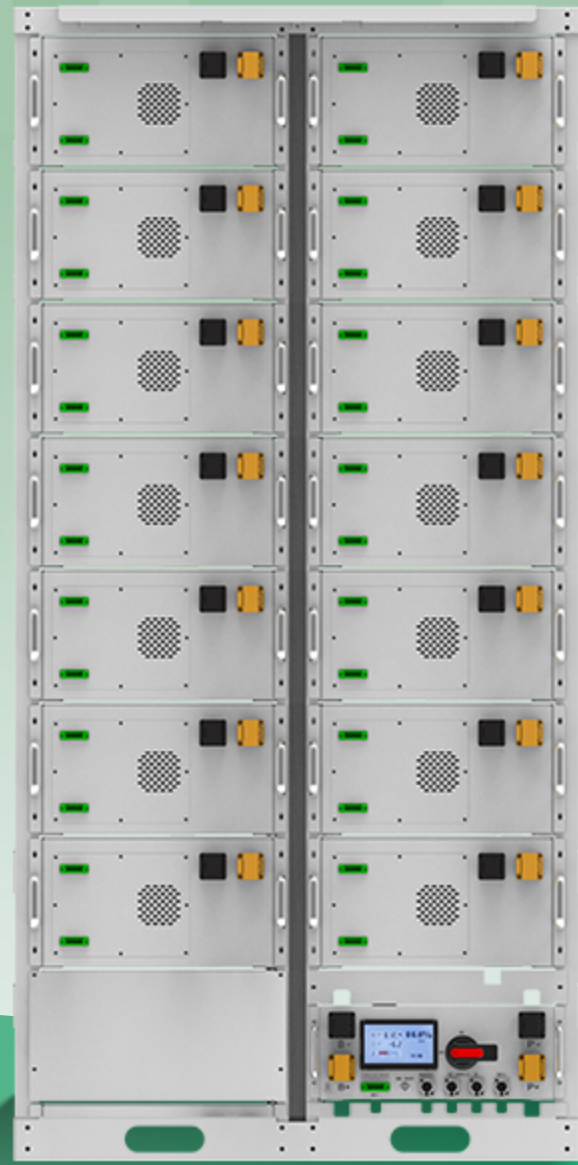
Support 16 units in Series

Certification

UN38.3/MSDS

# SP-225K314AH

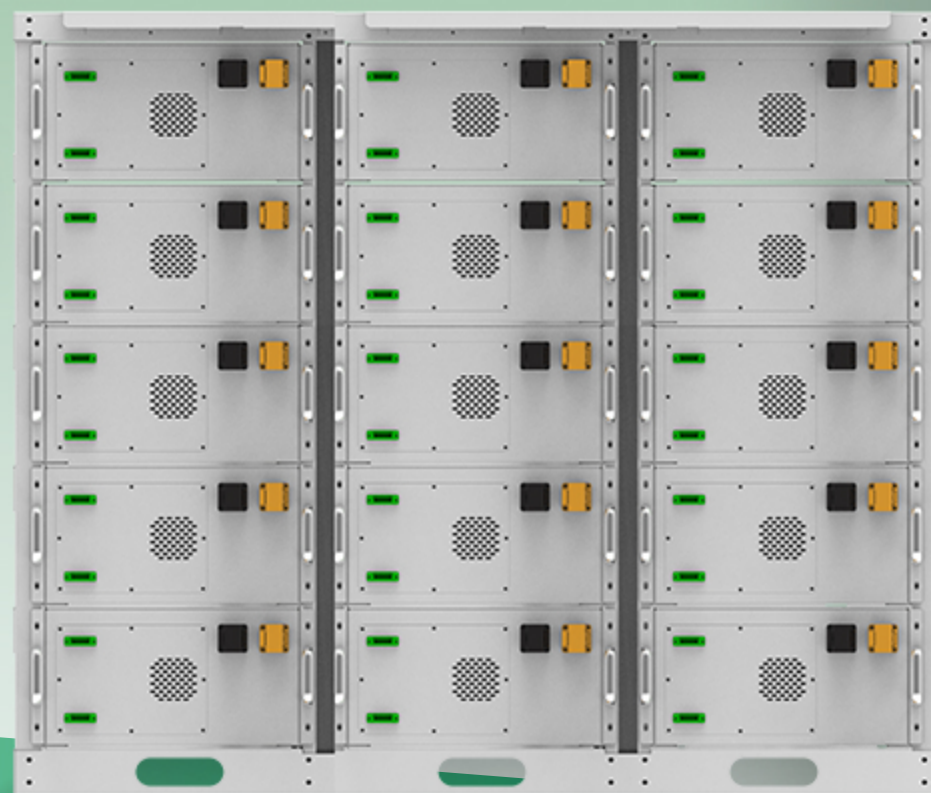
## ENERGY STORAGE BESS



MODEL	SP-225K314AH
Product	716.8V314AH
Nominal Voltage	716.8V
Nominal Capacity	314
Dimension module(mm)	483*245*792mm*14
Dimension RACK(mm)	1090*780*2190
Weight(kg)	1804
SPECIFICATIONS	PARAMETER
Nominal Capacity (KWH)	225.1
Discharge Cut-Off Voltage (V)	616
Charge Cut-Off Voltage (V)	795.2
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS

# SP-225K314AH

## ENERGY STORAGE BESS



### MODEL

### SP-225K314AH

Product

716.8V314AH

Nominal Voltage

716.8V

Nominal Capacity

314

Dimension module(mm)

483\*245\*792mm\*14

Dimension RACK(mm)

1650\*780\*1425

Weight(kg)

1804

### SPECIFICATIONS

### PARAMETER

Nominal Capacity (KWH)

225.1

Discharge Cut-Off Voltage (V)

616

Charge Cut-Off Voltage (V)

795.2

Recommend Charge/Discharge Current (A)

100

Max. Charge/Discharge working Current(A)

160

Communication

RS485/RS232/CAN

Working Temperature

0°C~50°C Charge -10°C~50°C Discharge

Transport or Storage Temperature Range

-20°C~60°C

Certification

CE/IEC/UN38.3/MSDS

Design Life

15years+

Cycle Life

(0.5C/0.5C-80% DOD)>6000 times

Series Function

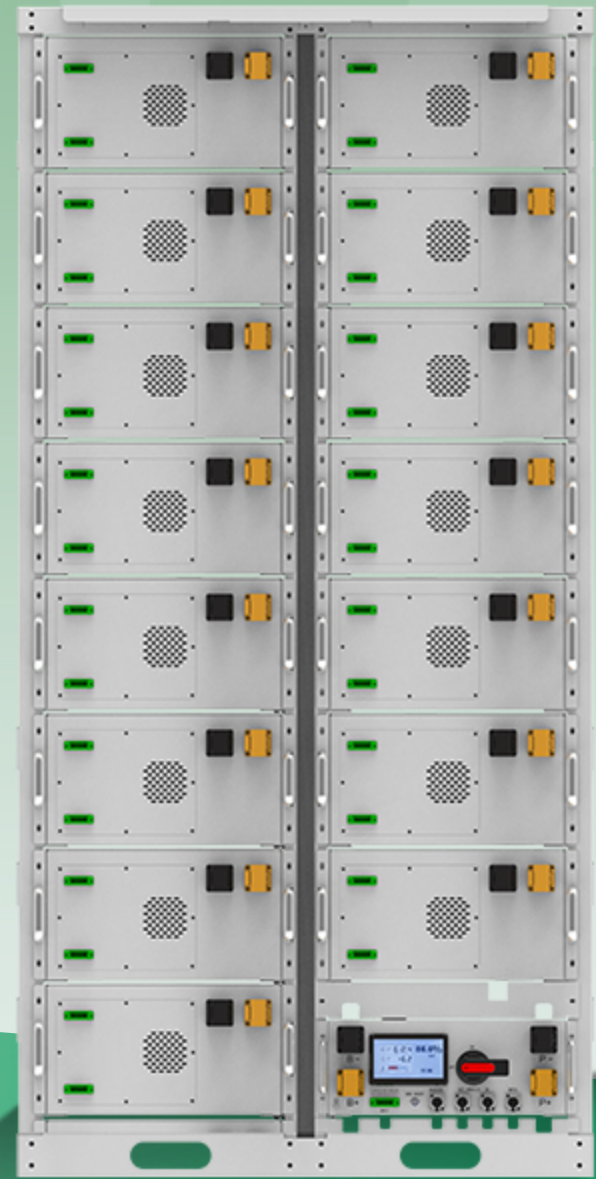
Support 16 units in Series

Certification

UN38.3/MSDS

# SP-241K314AH

## ENERGY STORAGE BESS



MODEL	SP-241K314AH
Product	768V314AH
Nominal Voltage	768V
Nominal Capacity	314
Dimension module(mm)	483*245*792mm*15
Dimension RACK(mm)	1090*780*2190
Weight(kg)	1920
SPECIFICATIONS	PARAMETER
Nominal Capacity (KWH)	241.2
Discharge Cut-Off Voltage (V)	660
Charge Cut-Off Voltage (V)	852
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge working Current(A)	160
Communication	RS485/RS232/CAN
Working Temperature	0°C~50°C Charge -10°C ~50°C Discharge
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UN38.3/MSDS
Design Life	15years+
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times
Series Function	Support 16 units in Series
Certification	UN38.3/MSDS