

Clean Power For You

Ningbo Deye Inverter Technology Co., Ltd.

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Note: The technical data above mentioned may be updated or revised due to product development. The data in this brochure is subject to change without notice. The latest datasheet and catalogue can be acquired via market@deye.com.cn



World-leading Energy Storage System Provider

Stock Code: 605117.SH Choose Deye — Choose a Green and Healthy Life

Deye 2022





China Stock Code:605117



- R&D,design,production,sales and services.
- Deve has five core industrial chains:
 - The solar inverter system
 - The Li battery energy storage system
 - The frequency conversion control system

 - The heat exchanger series
- certified by UL,CE etc.

Ningbo Deye Technology Co., Ltd. is a large-scale manufacturing technology enterprise integrating

The environmental electrical appliance series

Deve ESS base in CiXi city of Ningbo. More than 170000 square meter R&D center, battery pack, BMS, sheet metal processing, and spray factory. Deve ESS has 15000sets(100000sets before 2025) ess product capacity per month. Deve ESS product is

Deye ESS test plantform











www.deyeinverter.com

Milestones

2021

Deye Group was successfully listed on SSE of China in 2021, Stock Code 605117.SH.

30,000 pcs +

By the end of 2019, with total shipments 30,000+, Deye hybrid Chinese brand in USA.

2017

Deye has launched first generation hybrid inverter and attracted a lot of attention with many unique features such as V/f droop control technology and battery DC / DC topology etc...

2007

Founded in 2007 with registered capital of 46 million USD.

Core Technology

Safer	Cobalt Free Lithium Iron Phosphat high efficiency and high-Power de
Reliable	Support high discharge power. IP65, range: -20 °C to 55 °C.
Flexible	Modular design, easy to expand, Ma Suited to residential and commerci
Convenient	Battery module auto networking, maintenance, remotely monitoring upgrade the firmware.
Eco-Friendly	Use environmental protection mater pollution-free.





te (LFP) Battery: Safety and long Lifespan, ensity. Intelligent BMS, providing complete protection.

natural cooling, wide temperature

x. 32 units in parallel, Max. capacity of 163.8 kWh. cial applications for increasing the self-consumption ratio.

, Automatic IP addressing, Easy and upgrade, Support USB drive

rials, the whole module non-toxic.

Battery Portfolio Spring >>

Summer





SE-G5.1 Pro





◆ Safer:

Cobalt Free Lithium Iron Phosphate (LFP) Battery: Safety and long Lifespan, high efficiency and high-Power density. Intelligent BMS, providing complete protection.

• Reliable:

Support high discharge power. IP20, natural cooling, wide temperature range: -20 \circlearrowright to 55 \circlearrowright .

• Flexible:

Modular design, easy to expand, Max. 64 units in parallel, Max. capacity of 327kWh.

Suited to residential and commercial applications for increasing the self-consumption ratio.

• Convenient:

Battery module auto networking, Automatic IP addressing, Easy maintenance, remotely monitoring and upgrade, Support USB drive upgrade the firmware.

• Eco-Friendly:

Use environmental protection materials, the whole module non -toxic, pollution-free.

Technical Data

Model		SE-G5.1 Pro		
Main Parameter				
Battery Chemistry		LiFePO4		
Capacity (Ah)		100		
Scalability(Max. in 1 ba	attery group)	Max. 64 pcs pack (327kWh) in parallel (Max. 32 pcs no external setup)		
Nominal Voltage (V)		51.2		
Operating Voltage (V)		43.2~57.6		
Energy (kWh)		5.12		
Usable Energy (kWh) ^[1]]	4.61		
	Recommend ^[2]	50		
Charg/Discharging Current(A)	Max ^[2]	100		
	Peak (2 minuters,25°C)	150		
Other Parameter				
Depth of Discharge		90%		
Dimension (W/H/D,mi	m)	445*133*430		
Weight Approximate (pproximate (kg) 45			
Master LED indicator		5LED(SOC:20%~100%), 3LED(working,alarming,protecting)		
IP Rating of Enclosure		IP20		
Altitude		≤2000m		
Working Temperature	e (°C)	Charge: 0~55/Discharge: -20~55		
Storage Temperature		0°C ~ 35°C		
Humidity		5%~95%		
Cycle Life		25±2°C,0.5C/0.5C,70%EOL≥6000		
Installation Location		19-inch standard cabinet, cabinet depth ≥600mm / with rack		
Communication Port		CAN2.0, RS485		
Warranty		10 years		
Life Cycle Power Durin	ng Warranty Period ^[3]	16MWh@70%EOL		
Certification		UL1973, IEC62619, IEC61000, CE, UN38.3		

DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
 The current is affected by temperature and SOC.

[3] The warranty is due whichever reached first of warranty period or life cycle power.

Introduction

This series lithium iron phosphate battery is one of new energystorage products developed and produced by Deye, it can be used to support reliable power forvarious types of equipment and systems. This series is especially suitable for application scene of high power,limited installation space, restricted load- bearing and long cycle life.

This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging and discharging to extend cycle life. Multiple batteries can connect in parallel to expand capacity and power in parallel for larger capacity and longer power supporting duration requirements.

RW-M6.1





♦ Safer:

Cobalt Free Lithium Iron Phosphate (LFP) Battery: Safety and long Lifespan, high efficiency and high-Power density. Intelligent BMS, providing complete protection.

• Reliable:

Support high discharge power. IP65, natural cooling, wide temperature range: -20°C to 55°C.

♦ Flexible:

Modular design, easy to expand, Max. 32 units in parallel, Max. capacity of 195kWh. Suited to residential and commercial applications for increasing the

self-consumption ratio.

• Convenient:

Battery module auto networking, Automatic IP addressing, Easy maintenance, remotely monitoring and upgrade, Support USB drive upgrade the firmware.

• Eco-Friendly:

Use environmental protection materials, the whole module non -toxic, pollution-free.

♦ Wall-Mounted:

High-power density: Flat design, wall-mounted, saving installation space.

Technical Data

Model		
Main Parameter		
Battery Chemistry		
Capacity (Ah)		
Scalability (max. in 1 bat	tery group)	
Nominal Voltage (V)		
Operating Voltage(V)		
Energy (kWh)		
Usable Energy (kWh) ^[1]		
	Recommend ^[2]	
Charge/Discharge Current (A)	Max ^[2]	
(Peak (2 minuters,25°C)	
Other Parameter		
Recommend Depth of [Discharge	
Dimension (W/H/D,mm)	
Weight Approximate (k	g)	
Master LED Indicator		5LED(SO
IP Rating of Enclosure		
Working Temperature (°C)	
Storage Temperature		
Humidity		
Altitude		
Cycle Life		
Installation		
Communication Port		
Warranty		
Life Cycle Power During	Warranty Period ^[3]	
Certification		

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters. [2] The current is affected by temperature and SOC.

[3] The warranty is due whichever reached first of warranty period or life cycle power.

Introduction

This series lithium iron phosphate battery is one of new energystorage products developed and produced by Deye, it can be used to support reliable power forvarious types of equipment and systems. This series is especially suitable for application scene of high power, limited installation space, restricted load-bearing and long cycle life.

This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging and discharging to extend cycle life. Multiple batteries can connect in parallel to expand capacity and power in parallel for larger capacity and longer power supporting duration requirements.

RW-M6.1
LiFePO4
120
Max.32 in Parallel(195kWh)
51.2
43.2~57.6
6.1
5.5
60
100
150
90%
485×790×160
55
DC:20%~100%), 3LED (working, alarming, protecting)
IP65
Charge:0 \sim 55/Discharge:-20 \sim 55
0°C ~ 35°C
5%~95%
≤2000m
25°C±2°C, 0.5C/0.5C,70%EOL≥6000
Wall-Mounted, Floor-Mounted
CAN2.0, RS485
10 years
20MWh@70%EOL
UL1973, FCC, IEC62619, CE, UN38.3

SUNB-5.0-G01-48-PC





♦ Safer:

Cobalt Free Lithium Iron Phosphate (LFP) Battery: Safety and long Lifespan, high efficiency and high-Power density. Intelligent BMS, providing complete protection.

• Reliable:

Support high discharge power. IP65, natural cooling, wide temperature range: -20°C to 55°C.

♦ Flexible:

Modular design, easy to expand, Max. 32 units in parallel, Max. capacity of 157 kWh.

Suited to residential and commercial applications for increasing the self-consumption ratio.

Convenient:

Battery module auto networking, Automatic IP addressing, Easy maintenance, remotely monitoring and upgrade, Support USB drive upgrade the firmware.

• Eco-Friendly:

Use environmental protection materials, the whole module non-toxic, pollution-free.

Stacking Design:

High-power density:

Stacking design, floor standing installation, directly stacked, no drilling, easy wiring.

Technical Data

Model		SUNB-5.0-G01-48-PC					
Main Parameter							
Battery Chemistry			LiFe	PO4			
Battery Module Energy	y (kWh)	4.91					
Battery Module Voltag	e (V)	51.2					
Battery Module Capaci	ity (Ah)		ç	96			
Nominal Voltage (V)			5	1.2			
Operating Voltage (V)			43.2	~57.6			
Scalability(Max. in 1 ba	ttery group)	1	2	3	4		
Energy (kWh)		4.91	9.82	14.73	19.64		
Usable Energy (kWh) ^[1]		4.42	8.84	13.26	17.68		
	Recommend ^[2]	48	96	192	192		
Charg/Discharging Current(A)	Max ^[2]	96	192	250	250		
	Peak (2 minuters,25°C)	150	300	300	300		
Other Parameter							
Depth of Discharge		90%					
Dimension (W/D/H,mr	n) / Weight (kg)	430×440×339 / 50.7	430×760×339 / 98.7	430×1080×339 / 146.7	430×1400×339 / 194.7		
Master LED Indicator		5LE	ED(SOC:20%~100%), 3LED(working, alarming, protectir	ng)		
IP Rating of Enclosure			IP	65			
Altitude			≤20	00m			
Working Temperature	(°C)		Charge: 0~55/D	ischarge: -20~55			
Storage Temperature	(°C)	0~35					
Humidity		5%~95%					
Cycle Life		@25±2°C,1C/1C,70%EOL≥6000					
Installation Location		Floor Mounted					
Communication Port		CAN2.0, RS485					
Warranty		10 years					
Life Cycle Power Durin	g Warranty Period ^[3]	16MWh@70%EOL					
Certification		IEC62619, IEC61000, CE, UN38.3					

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters. [2] The current is affected by temperature and SOC.

[3] The warranty is due whichever reached first of warranty period or life cycle power.

Introduction

This series lithium iron phosphate battery is one of new energystorage products developed and produced by Deye, it can be used to support reliable power forvarious types of equipment and systems. This series is especially suitable for application scene of high power, limited installation space, restricted load-bearing and long cycle life.

This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging and discharging to extend cycle life. Multiple batteries can connect in parallel to expand capacity and power in parallel for larger capacity and longer power supporting duration requirements.

SUNB-5.0-G01-48-PC	

SUN-5K-SG03LP1-ESS SUN-8K-SG01LP1-ESS SUN-12K-SG04LP3-ESS





- All-in-one design, integrated 5/8/12KW hybrid inverter and battery
- Comfortable and easy control via App, PC or Touch-Display
- Leading smart application: peak-shaving, smart load, AC couple etc
- Modular lithium iron phosphate battery, capacity of 5kWh~20kWh, scalable and safety
- Fast switching time of 4ms, ensuring your energy security

Technical Data

Model	SUN-5K-SG03LP1-ESS	SUN-8K-SG01LP1-ESS	SUN-12K-SG04LP3-ESS					
System Specification								
Nominal Output Power/UPS Power (W)	5000 / 5000	8000 / 8000	12000 / 12000					
Energy Range		4.9 ~ 19.6 kWh						
Usable Energy Range	8.8kWh	13.2kWh	17.6kWh					
Battery Chemistry		LFP (LiFePO4)						
IP Rating of Enclosure		IP65 (Outdoor)						
Warranty	10 Year Product Warranty							
Inverter Technical Specification								
Model	SUN-5K-SG03LP1-EU	SUN-8K-SG01LP1-EU	SUN-12K-SG04LP3-EU					
Max. PV Input Power (W)	6500	10400	15600					
Max. PV Input Current (A)	2 x 13	2 x 22	26+13					
Max. PV Input Voltage (V)	500	500	800					
Start Up DC Voltage (V)	125	125	160					
MPPT Voltage Range (V)	150-425	150-425	200-650					
Max. PV Short-circuit Current (A)	2 x 17	2 x 28	34+17					
MPPT Number	2	2	2					
Max. Charging/Discharging Current (A)	120	190	240					
Max. Charging/Discharging Power (W)	5000	8000	12000					
Rated Voltage (V)	2	230/400						
Phase	Single Phase Three Phase							
Rated Frequency	50 / 60 Hz							
Peak Power (off grid)	2 time of rated power, 10 S							
DC injection current (mA)								
Display		LCD						
Relative Humidity		15% ~ 85% (No Condensing)						
Dimension (W \times D \times H)	430W x 1466.5H x339D	430W x 1796.5H x339D	430W x 2126.5H x339D					
Weight (kg)	118.5	178	227.6					
Communication with BMS		RS485; CAN						
EMC		IEC/EN 61000-6-1/2/3/4						
Safety		IEC/EN 62109-1,IEC/EN 62109-2						
Grid Regulation	CEI 0-21,VDE	-AR-N 4105,NRS 097,IEC 62116,IEC 61 VDE 0126-1-1,RD 1699,C10-11	727,G99,G98,					
Efficiency								
Max. Efficiency		97.6%						
Max. charging/discharging efficiency		95.5%						
Battery Technical Specification								
Total Capacity	192Ah	288Ah	384Ah					
Nominal Voltage		51.2V						
Operating Temperature Range		Charge: 0~55°C / Discharge: -20~55°C						
Max. Modules in Parallel		8						
Max. Charging/Discharging Current (A)	192	250	250					
Communication Port		CAN, RS485						
Cycle Life		>6000						
Certification		CIEC62619, IEC61000, CE, UN38.3						
			CIEC02019, IEC01000, CE, 01030.5					

SUN-8K-SG01LP1-ESS

BOS-G



Quick installation, standard of 19-inch embedded designed module is comfortable for installationand maintenance.

• Safe and reliable

Cathode material is made from LiFePO4 with safety performance and long cycle life, The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.

• Intelligent BMS

It has protection functions including over-discharge, over-charge, over-cu rrent and over-high or low temperature. The systemcan automatically manage charge and discharge state and balance current and voltage of each cell.

• Eco-friendly

The whole module is non-toxic, non-polluting and environmentally friendly.

• Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power.Support USB upgrade,wifi upgrade (optional), remote upgrade (Compatible with Deye inverter).

• Wide temperature

Working temperature range is from -20°C to 55°C, with excellent discharge performance and cycle life.

Technical Data

Model			B0S-G			
Main Parameter						
Cell Chemistry			LiFePO4			
Module Energy (kW)			5.12			
Module Nominal Volt	tage (V)		51.2			
Module Capacity (Ah)			100			
Battery Module Qty in	n series. (Optional)	4 (Min)	8 (Standard US Cluster)	12 (Standard EU Cluster)		
System Nominal Volt	age (V)	204.8	409.6	614.4		
System Operating vo	ltage (V)	180~230	359~460	537.6~691.2		
SystemEnergy (kWh)		20.48	40.96	61.44		
SystemyUsable Energ	jy (kWh)	18.5	36.86	55.29		
	Recommend	50				
Charge/Discharge Current (A)	Max	100				
(- /	Peak (2 mins, 25°C)	125				
Working Temperature (°C)		Charge: 0~55/Discharge: -20~55				
Status Indicator			Yellow: Battery High Voltage Power Or Red: Battery System Alarm	ı		
Communication Port			CAN2.0/RS485			
Humidity			5~85%RH			
Altitude			≤2000 m			
IP Rating of Enclosure			IP20			
Dimension (W/D/H,m	im)	54	0*590*1650	540*590*2250		
Weight Approximate	(kg)	242 410		430		
Installation Location		Rack Mounting				
Storage Temperature	e (°C)	0~35				
Recommend Depth of Discharge		90%				
Cycle Life (Charge/Discharge)		25±2°C, 0.5C/0.5C, EOL70%≥6000				
Warranty		10 years				
Certification		CE/IEC62619 / VDE2510-50 / UL1973 / UL9540A / UN38.3				

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25[2] The current is affected by temperature and SOC.

[3] The warranty is due whichever reached first of warranty period or life cycle power.

17

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[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

GB-L



• Structural safety: Meet high seismic grade zone 4.

• High-voltage stack:

Modules are connected in series without cable connection, and high -voltage platform improves system efficiency.

• Thermal management: Temperature detection of key parts, cell, power plug-in, etc.

• Wide temperature operation:

The heating function is optional to meet the application scenarios with low temperature and no sense.

• Environmental friendliness:

IP protection grade 65, anti-corrosion grade \geq C2, environmental protection battery.

• Intelligent and visual:

Support remote upgrade, real-time battery warning information push, LCD data display.

Technical Data

Model				GB-L				
Main Parameter								
Cell Chemistry				LiFePO4				
Module Energy (kWh)				4.09				
Module Nominal Volta	age (V)			102.4				
Module Capacity (Ah)				40				
Battery Module Qty In	Series (Optional)	2	3	4	5	6		
System Nominal Volta	ige (V)	204.8	307.2	409.6	512	614.4		
System Operating volt	age (V)			179.2~691.2				
SystemEnergy (kWh)		8.18	12.27	16.36	20.45	24.56		
SystemyUsable Energy	r (kWh)	7.36	11.04	14.72	18.40	22.10		
	Recommend			20				
Charge/Discharge Current (A)	Max	40						
current (ry	Peak (2 mins,25°C)	50						
Working Temperature	(°C)	Charge/Discharge:-20~55						
LCD Display		SOC%,Power,Total Voltage						
Communication Port		CAN2.0, RS485						
Humidity		5%~90%						
Altitude		≤2000m						
IP Rating of Enclosure		IP65						
Storage Temperature	(°C)	0~35						
Dimension (W/D/H,mr	n)	540*385*640	540*385*860	540*385*1080	540*385*1300	540*385*1520		
Weight(kg)		98	134	170	206	242		
Installation Location		Floor Mount						
Recommend Depth of Discharge		90%						
Cycle Life		25±2,0.5C/0.5C, EOL70%≥6000						
Warranty Period		10 years						
Certification			CE/IEC62619/V	DE2510-50/ UL1973 /U	L9540A/UN38.3			

DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25
 The current is affected by temperature and SOC.

[3] The warranty is due whichever reached first of warranty period or life cycle power.

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

GB-SL-EU



Technical Data

SUN-6K-SG01HP3 -EU-AM2	SUN-8K-SG01HP3- EU-AM2	SUN-10K-SG01HP3 -EU-AM2	SUN-12K-SG01HP3 -EU-AM2	SUN-15K-SG01HP3 -EU-AM2	SUN-20K-SG01HP3 -EU-AM2		
		i-	lon				
			·				
7800	10400	13000	15600	19500	26000		
/800	10400			19500	20000		
195-850	260-850	I		423-850	500-850		
		6					
				-	26+26		
	23+23		32	+23	32+32		
			2		1		
	1		2	+1	2		
6000	8000	10000	12000	15000	20000		
6600	8800	11000	13200	16500	22000		
9.1	12.2	15.2	18.2	22.8	30.3		
13	18	22	25	30	35		
		8	0				
		1.5 time of rat	ed power, 10 S				
9.1 / 80 / 9.1	12.2 / 80 / 12.2	15.2 / 80 / 15.2	18.2 / 80 / 18.2	22.8 / 80 / 22.8	30.3 / 80 / 30.3		
		0.8 leading t	o 0.8 lagging				
	5	0/60Hz; 3L/N/PE 2	20/380, 230/400V	ас			
		Three	Phase				
		<0.5	%1n				
		97.6	50%				
		97.0	00%				
		99.9	90%				
PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection							
		DC Type II.	AC Type III				
		71					
CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11							
IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2							
	ILC/LIVOI		15°C derating				
		-40~60°C, >4	15°C derating				
		-40~60°C, >4 Smart	15°C derating cooling 5; CAN				
	-EU-AM2	-EU-AM2 EU-AM2	-EU-AM2 EU-AM2 -EU-AM2 EU-AM2 EU-AM2 -EU-AM2	-EU-AM2 EU-AM2 -EU-AM2 -EU-AM2 EU-AM2 I-I-Ion 150~700 37 37 37 1 37 37 1 Self-adaption to BMS 1 5 7800 10400 13000 15600 150 150 150 150 150 325-850 340-850 600 20+20 26 23+23 32 20+20 26 23+23 32 1 2 2 1 2 1 2 32 32 32 2 1 2 32 32 1 2 32 32 32 1 2 32 32 32 1 2 32 32 32 13 18 22 2 32 13 18 22 2 32 9,1/80 / 9,1 12.2 / 80 / 12.2 15.2 / 8	EU-AM2 EU-AM2 EU-AM2 EU-AM2 EU-AM2 EU-AM2 Li-Ion 150-700 37 37 37 37 37 37 1 Self-adaption to BMS 900 19500 19500 7800 10400 13000 15600 19500 150 150-850 340-850 423-850 195-850 260-850 325-850 340-850 423-850 20+20 26+20 26+20 26+20 23+23 32+23 32+23 32+23 2 1 2+1 1 2 1 2+1 22,8 13 18,2 22,8 13 18 22 25 30 30 50/60Hz; 3L/N/PE 220/380, 230/400Vac Three Phase 9,1/80/9,1 12.2/80/12.2 15.2/80/15.2 18.2/80/18.2 22.8/80/22.8 0.8 leading to 0.8 lagging 50/60Hz; 3L/N/PE 220/380, 230/400Vac 97.60% 99.90%		

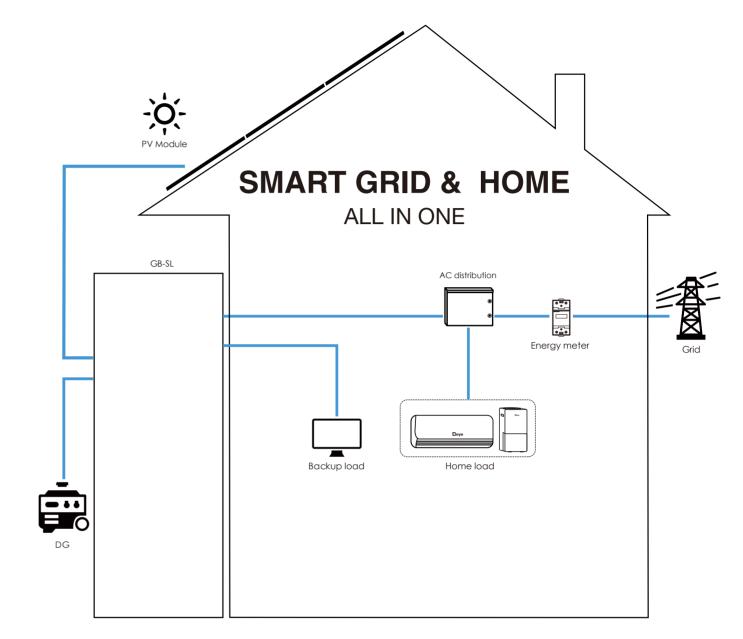
Model				GB-L			
Battery System Dat	a						
Cell Chemistry				LiFePO4			
Module Energy (kW	h)			4.09			
Module Nominal Vo	oltage (V)			102.4			
Module Capacity (A	h)			40			
Battery Module Qty	in series.(Optional)	2	3	4	5	6	
System Nominal Vo	ltage (V)	204.8	307.2	409.6	512	614	
System Operating v	oltage (V)			179.2~691.2			
System Energy (kWh	ר)	8.18	12.27	16.36	20.45	24.57	
Systemy Usable Ene	ergy (kWh)	7.36	11.04	14.72	18.40	22.11	
Chause /Dischause	Recommend			20	^		
Charge/Discharge Current (A)	Max	40					
current()	peak (2minuters, 25)	50					
Working Temperatu	ire (°C)	Charge/Discharge:-20~55					
Communication Po	rt	CAN2.0/RS485					
Thermal Manageme	ent		Nat	ural Cooling/Smart Hea	ting		
Recommend Depth	of Discharge			90%			
Cycle Life (Charge/D	Discharge)		25±2	°C,0.5C/0.5C,70%EOL≥	:6000		
Warranty				10 years			
Certification			CE/IEC	62619/VDE 2510-50/	JN38.3		
0ther Data							
Humidity				5~85%RH			
Altitude (m)		≤2000					
IP Rating of Enclosure		IP65					
Noise (dB)		<45					
Storage Temperature (°C)				0~35			
Dimension (W/D/H,	mm)	540*385*1090	540*385*1310	540*385*1530	540*385*1750	540*385*1970	
Weight Approximat	e (kg)	135	171	207	243	279	
Installation Location	1	Floor Mount					

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
 [2] The current is affected by temperature and SOC.

[2] The current is an ected by temperature and 50C.

[3] The warranty is due whichever reached first of warranty period or life cycle power.

Typical Application Diagram



Summer GB-SCL-EU



• ALL IN ONE PLUS Optical storage and charging integrated solution, one-stop . service

 Maximum output 100% unbalanced output, each phase; Max. output up to 50% rated power

• Maximum connection Max. 10pcs parallel for on-grid and off-grid operation;

 More support Support storing energy from diesel generator

• High-voltage stack modules are connected in series without cable connection, and high-voltage platform improves system efficiency

• Thermal management temperature detection of key parts, cell, power plug-in, etc

• Wide temperature operation The heating function is optional to meet the application scenarios with low temperature and no sense

Technical Data

Model	SUN-6K-SG01HP3 -EU-AM2	SUN-8K-SG01HP3- EU-AM2	SUN-10K-SG01HP3 -EU-AM2	SUN-12K-SG01HP3 -EU-AM2	SUN-15K-SG01HP3 -EU-AM2	SUN-20K-SG01HP3 -EU-AM2
Battery Input Data						
Battery Type			Li-	lon		
Battery Voltage Range (V)		150~700				
Max. Charging Current (A)			3	7		
Max. Discharging Current (A)				7		
Number of battery input						
Charging Strategy for Li-Ion Battery			Self-adapt	ion to BMS		
PV String Input Data						
Max. DC Input Power (W)	7800	10400	13000	15600	19500	26000
Max. DC Input Voltage (V)		10100		00	19900	20000
Start-up Voltage (V)				50		
MPPT Range (V)				-850		
5	105.050	260.050			422.050	500.050
Full Load DC Voltage Range (V)	195-850	260-850	325-850	340-850	423-850	500-850
Rated DC Input Voltage (V)		20.20	60	26	- 20	26.26
PV Input Current (A)		20+20			+20	26+26
Max. PV I _{SC} (A)		23+23			+23	32+32
No.of MPP Trackers				2		-
No.of Strings per MPP Tracker		1		2	+1	2
AC Output Data						1
Rated AC Output and UPS Power (W)	6000	8000	10000	12000	15000	20000
Max. AC Output Power (W)	6600	8800	11000	13200	16500	22000
AC Output Rated Current (A)	9.1	12.2	15.2	18.2	22.8	30.3
Max. AC Current (A)	13	18	22	25	30	35
Max. Continuous AC Passthrough (A)			8	0		
Peak Power (off grid)			1.5 time of rate	ed power, 10 S		
Generator input/Smart load /AC couple current (A)	9.1 / 80 / 9.1	12.2 / 80 / 12.2	15.2 / 80 / 15.2	18.2 / 80 / 18.2	22.8 / 80 / 22.8	30.3 / 80 / 30.3
Power Factor			0.8 leading t	o 0.8 lagging		
Output Frequency and Voltage		5	0/60Hz; 3L/N/PE 2	20/380, 230/400V	ас	
Grid Type			Three	Phase		
DC injection current (mA)		<0.5%1n				
Efficiency						
Max. Efficiency			97.6	50%		
Euro Efficiency	97.00%					
MPPT Efficiency	99,90%					
Protection						
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection					
Output Over Voltage Protection	DC Type II/AC Type III					
Certifications and Standards			71			
Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					
General Data						
Operating Temperature Range ()			-40~60°C >4	15°C derating		
Cooling	Smart cooling					
Communication with BMS			RS485	5		
Warranty				-		
wantality	5 years					

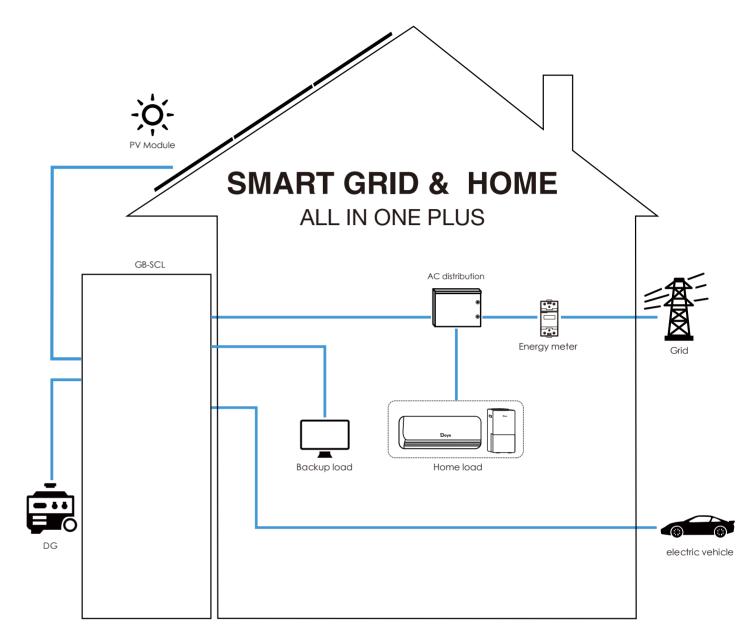
Model			EVC	i		
Charger Module Da	ta					
Rate Power (kw)			20			
Output Voltage Ran	ige (V)		50~7	50		
Output Current Ran	-		0~5	0		
Communication Po			CAN2	.0		
Charging standard			CCS2 T	vpe		
Standards/regulatio	ons		IEC618	/ 1		
Operating Tempera			40~6	0		
Cooling			Smart co	oling		
Varranty			5 yea	rs		
Certification			EN61851-1/EN			
Vodel			GB-L			
Nouel			ישט			
Battery System Dat	ta					
Cell Chemistry			LiFeP	D4		
Nodule Energy (kW	'h)		4.09)		
Module Nominal Vo	oltage (V)	102.4				
Module Capacity (A	h)	40				
Battery Module Qty	in series.(Optional)	3	4	5	6	
ystem Nominal Vo	oltage (V)	307.2	409.6	512	614	
ystem Operating v	oltage (V)		268.8~6	91.2		
System Energy (kWł	h)	12.27	16.36	20.45	24.57	
ystemy Usable Ene	ergy (kWh)	11.04	14.72	18.40	22.11	
51 (0: 1	Recommend	20				
Charge/Discharge Current (A)	Max		40			
urrent (A)	peak (2minuters, 25)	50				
Vorking Temperatu	ure (°C)		Charge/Discha	rge:-20~55		
Communication Po	ort		CAN2.0/F	S485		
Thermal Management Natural Cooling/Smart Heating		mart Heating				
Recommend Depth	of Discharge	90%				
Cycle Life (Charge/D	Discharge)	25±2°C,0.5C/0.5C,70%EOL≥6000				
Varranty		10 years				
Certification		CE/IEC 62619/VDE 2510-50/UN38.3				
Other Data						
lumidity			5~85%	RH		
Altitude (m)		≤2000				
IP Rating of Enclosure		IP65				
Noise (dB)		<45				
Storage Temperatu	re (°C)		0~3			
Dimension (W/D/H,mm)		540*385*1420	540*385*1530	540*385*1640	540*385*2080	
Weight Approximate (kg)			207	243	279	
Neight Approximat	.e (kg)	171	207			

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] The warranty is due whichever reached first of warranty period or life cycle power.

Typical Application Diagram



GB-SL-US



Model	SUN-5K-SG01HP3 -US-AM2	SUN-8K-SG01HP3 -US-AM2	SUN-10K-SG01HP3 -US-AM2	SUN-15K-SG01HP3 -US-AM2	
Battery Input Data					
Battery Type		Li-	lon		
Battery Voltage Range (V)	160~500				
Max. Charging Current (A)		[50		
Max. Discharging Current (A)		L.	50		
Number of battery input			1		
Charging Strategy for Li-lon Battery		Self-adapt	tion to BMS		
PV String Input Data					
Max. DC Input Power (W)	6500	10400	13000	19500	
Max. DC Input Voltage (V)		5	50		
itart-up Voltage (V)		1	80		
NPPT Range (V)		150	-500		
ull Load DC Voltage Range (V)	163-500	227-500	250-500	317-500	
Rated DC Input Voltage (V)		3	80		
PV Input Current (A)	20+20	26+20	26-	+26	
/lax. PV I _{SC} (A)	23+23	32+23	32-	+32	
Number of MPPT / Strings per MPPT	2/1+1	2/2+1	2/2	2+2	
AC Output Data		'	'		
Rated AC Output and UPS Power (W)	5000	8000	10000	15000	
Max. AC Output Power (W)	5500	8800	11000	16500	
C Output Rated Current (A)	13.9	22.2	27.8	41.6	
Nax. AC Current (A)	20	33	37	45	
Nax. Continuous AC Passthrough (A)		5	30		
eak Power (off grid)		1.5 time of rat	ed power, 10 S		
Generator input/Smart load AC couple current (A)	13.9 / *80 / 13.9	22.2 / *80 / 22.2	27.8 / *80 / 27.8	41.6 / *80 / 41.6	
Power Factor		0.8 leading t	to 0.8 lagging		
Output Frequency and Voltage		50/60Hz; L1/L2/L	.3/N(PE) 120/208Vac		
irid Type	Three Phase				
OC injection current (mA)	<0.5%1n				
fficiency					
Nax. Efficiency	97.60%				
uro Efficiency	97.00%				
/IPPT Efficiency	99.90%				
Protection					
ntegrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection				
Output Over Voltage Protection		DC Type II	/AC Type III		
Certifications and Standards					
rid Regulation	UL 1547-2018, UL 1547-2020, UL 1998, UL 1699B, CEC, PCS				
afety EMC / Standard	UL 1741-2021, FCC				
Seneral Data					
Operating Temperature Range (°C)		-40~60°C, >4	45°C derating		
Cooling	Smart cooling				
Communication with BMS	RS485; CAN				
Varranty	5 years				

ALL IN ONE
Integrated design.beautiful appearance and scene integration

• **Maximum output** 100% unbalanced output, each phase; Max. output up to **50%** rated power

Maximum connection
Max. 10pcs parallel for on-grid and off-grid operation;

• More support Support storing energy from diesel generator

• High-voltage stack Modules are connected in series without cable connection, and high-voltage platform improves system efficiency

• Thermal management Temperature detection of key parts, cell, power plug-in, etc

• Wide temperature operation The heating function is optional to meet the application scenarios with low temperature and no sense

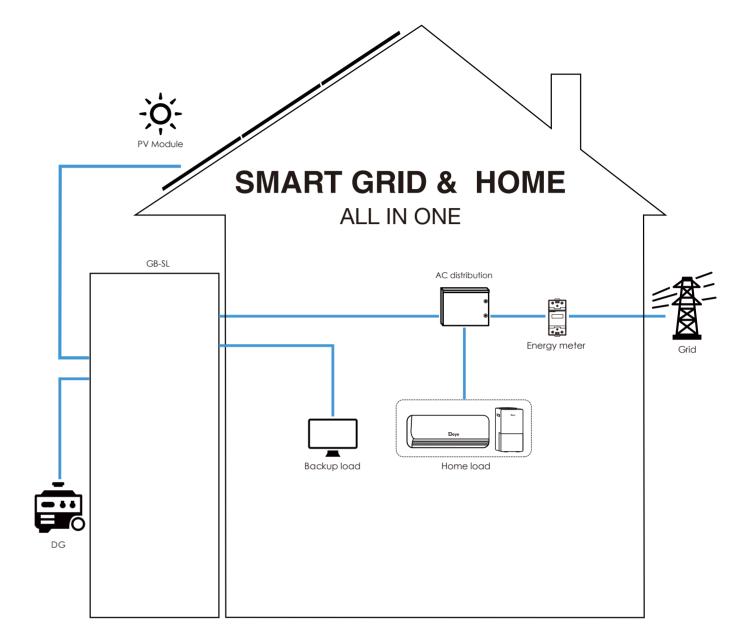
Model			GB-L			
Battery System Data	a					
Cell Chemistry		LiFePO4				
Module Energy (kWł	ן)		4.09			
Module Nominal Vo	ltage (V)		102.4			
Module Capacity (Al	ן ר	40				
Battery Module Qty	in series.(Optional)	2	3	4		
System Nominal Vol	ltage (V)	204.8	307.2	409.6		
System Operating vo	oltage (V)		179.2~460.8			
System Energy (kWh)	8.18	12.27	16.36		
Systemy Usable Ener	rgy (kWh)	7.36	11.04	14.72		
Charge /Discharge	Recommend	20				
Charge/Discharge Current (A)	Max	40				
carrent () y	peak (2minuters, 25)	50				
Working Temperatu	re (°C)	Charge/Discharge:-20~55				
Communication Por	rt	CAN2.0/RS485				
Thermal Manageme	nt	Natural Cooling/Smart Heating				
Recommend Depth	of Discharge	90%				
Cycle Life (Charge/D	ischarge)	25±2°C,0.5C/0.5C,70%EOL≥6000				
Warranty			10 years			
Certification		UL9540/UL1973 /UL9540A/UN38.3				
0ther Data						
Humidity		5~85%RH				
Altitude (m)		≤2000				
IP Rating of Enclosure		IP65				
Noise (dB)		<45				
Storage Temperature (°C)		0~35				
Dimension (W/D/H,mm)		540*385*1090	540*385*1310	540*385*1530		
Weight Approximate (kg)		135	171	207		
Installation Location		Floor Mount				

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] The warranty is due whichever reached first of warranty period or life cycle power.

Typical Application Diagram



Summer GB-SCL-US



service

 Maximum output 100% unbalanced output, each phase; Max. output up to **50%** rated power

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 More support Support storing energy from diesel generator

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 Thermal management temperature detection of key parts, cell, power plug-in, etc

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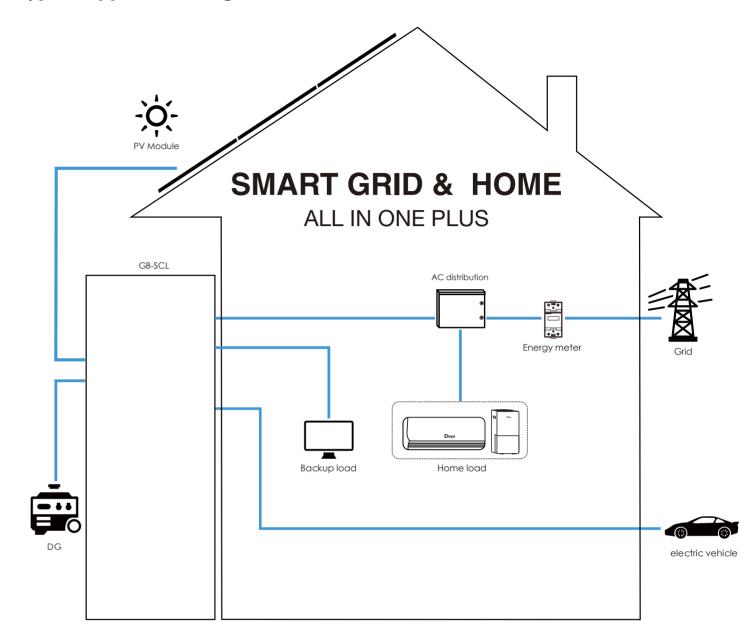
Technical Data

Model	SUN-5K-SG01HP3 -US-AM2	SUN-8K-SG01HP3 -US-AM2	SUN-10K-SG01HP3 -US-AM2	SUN-15K-SG01HP3 -US-AM2	
Battery Input Data					
Battery Type		Li-	lon		
Battery Voltage Range (V)	160~500				
Max. Charging Current (A)		1	50		
Max. Discharging Current (A)		I	50		
Number of battery input			1		
Charging Strategy for Li-lon Battery		Self-adapt	tion to BMS		
PV String Input Data					
Max. DC Input Power (W)	6500	10400	13000	19500	
Max. DC Input Voltage (V)		5	50		
Start-up Voltage (V)		1	80		
MPPT Range (V)		150	-500		
Full Load DC Voltage Range (V)	163-500	227-500	250-500	317-500	
Rated DC Input Voltage (V)		3	80		
PV Input Current (A)	20+20	26+20	26-	-26	
Max. PV I _{SC} (A)	23+23	32+23	32-	-32	
Number of MPPT / Strings per MPPT	2/1+1	2/2+1	2/2	+2	
AC Output Data		'	'		
Rated AC Output and UPS Power (W)	5000	8000	10000	15000	
Max. AC Output Power (W)	5500	8800	11000	16500	
AC Output Rated Current (A)	13.9	22.2	27.8	41.6	
Max. AC Current (A)	20	33	37	45	
Max. Continuous AC Passthrough (A)	80				
Peak Power (off grid)		1.5 time of rat	ed power, 10 S		
Generator input/Smart load /AC couple current (A)	13.9 / *80 / 13.9	22.2 / *80 / 22.2	27.8 / *80 / 27.8	41.6 / *80 / 41.6	
Power Factor		0.8 leading t	to 0.8 lagging		
Output Frequency and Voltage		50/60Hz; L1/L2/L	.3/N(PE) 120/208Vac		
Grid Type	Three Phase				
DC injection current (mA)		<0.	5%1n		
Efficiency					
Max. Efficiency		97.	60%		
Euro Efficiency	97.00%				
MPPT Efficiency	99.90%				
Protection					
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection				
Output Over Voltage Protection	DC Type II/AC Type III				
Certifications and Standards					
Grid Regulation	UL 1547-2018, UL 1547-2020, UL 1998, UL 1699B, CEC, PCS				
Safety EMC / Standard	UL 1741-2021, FCC				
General Data					
Operating Temperature Range (°C)		-40~60°C, >4	45°C derating		
Cooling	Smart cooling				
Communication with BMS	RS485; CAN				
Warranty	5 years				

33

Batter Control Control Charge Module Data 20 Cutput Vortal Range (A) 30 - 750 Communication Port CAN2.0 Communication Port CAN2.0 Communication Port CAN2.0 Communication Port CAN2.0 Consign standard regulations SKI 31772 Operating Temperature Range (C) 40 - 60 Cooling System S Cartification UL202/UL2231 Model System S Cartification ULFePO4 Module Norminal Voltage (V) GSL Batterg System Data Calification Carl Chemistry ULFePO4 Module Norminal Voltage (V) 40.9 Module Norminal Voltage (V) 307.2 40.9.6 System Norminal Voltage (V) 307.2 40.9.6 System Norminal Voltage (V) 26.8.8-40.8 5 System Norminal Voltage (V) 26.8.9-40.8 4.9.9.6 System Norminal Voltage (V) 26.8.9-40.8 4.9.9.6 System Norminal Voltage (V) 26.8.9-40.8 <	Model		EV	ic.		
Rate Power (low) 20 Output Victage Range (\) 50°-75° Communication Port CAN2.0 Charging standard's regulations CAN2.0 Standard's regulations SKEI 1772 Operating Temperature Range (C) G&L Gooling Smart cooling Warranty GSUZ022/UZ231 Model System Social	model			5		
Output Voltage Range (V) \$0-750 Output Voltage Range (A) 0-50 Communication Port CAN2.0 Charging standard CS1 Type Standard/regulations SARDARDARDARDARDARDARDARDARDARDARDARDARDA	Charger Module Da	ta				
Output Current Range (A) 0 -50 Communication Port CAN2.0 Charging standard CCS1 Type Standard/regulations SAE J1772 Operating Temperature Range (C) 40-60 Cooling Smart cooling Waranty Syears Certification Ull2202/UL2231 Model CBL Battery System Data CBL Cell Chemistry LIFePO4 Module Energy (WMh) 4.09 Module Copy (WMh) 4.09 Module Copy in series(Optional) 3 System Obtation 4 System Values (V) 307.2 Module Copy in series(Optional) 3 System Optation voltage (V) 12.27 System Optation voltage (V) 12.27 Charge/Discharge 20 Max 40 Max 40 Charge/Discharge 50 Working Temperature (C) Charge/Discharge:20-55 Commend 25±2/CO,SC/OSC/OSC/OSC/OSC/OSC/OSC/OSC/OSC/OSC/O	Rate Power (kw)		20			
Communication Port CAN2.0 Charging standard (Standard/sequilations SAE J1772 Operating Temperature Range (C) 40-60 Cooling 40-60 Warnanty Smart cooling Warnanty Systems Certification UL2202/UL2231 Model G81 Battery System Data G81 Certification LIFePO4 Module Energy (KMh) 4.09 Module Capacity (Ah) 40 Battery System Oxinal Voltage (V) 3 4 System Nominal Voltage (V) 307.2 409.6 System Nominal Voltage (V) 10.24 409.6 System Nominal Voltage (V) 10.24 409.6 System Nominal Voltage (V) 10.27 16.36 System Nominal Voltage (V) 10.4 14.72 Charge/Discharge 20 Charge/Discharge.30~55	Output Voltage Ran	ge (V)	50~750			
Charging standard CCS1 Type Standard/regulations SAE J1772 Operating Temperature Range (C) 0.40-60 Cooling Smart cooling Warranty Sysars Certification Sysars Certification GBL Battery System Data GBL Eattery System Data Cell Chemistry Module Nomination Voltage (N) LiFePO4 Module Capacity (Ah) 4.09 Module Capacity (Ah) 40 Battery Module Cay in series (Optional) 3 4 System Norinal Voltage (N) 307.2 409.6 System Norinal Voltage (N) 12.27 16.36 System Optional Voltage (N) 12.27 16.36 System Optional Voltage (N) 12.27 16.36 System Visitige Recommend 20 400 Mark 40 41.72 Optional Recommend Voltage (N) 11.04 14.72 Mark 40 60 Current (A) Mark 60 Mark 40 60 Current (A) Mark 60 Mark Conding Smart Heating 60 Certification Conding Smart Heating 60 Certificaton Conding	Output Current Ran	ge (A)	0~:	50		
Standards/regulations SAE J1772 Operating Temperature Range (C) 40~60 Sinter Cooling Smart cooling Warranty 5 years Certification UL2202/UL2231 Model GB/L Battery System Data GB/L Cell Chemistry GB/L Module Energy (kM) GB/L Module Capacity (Ah) 4.09 Module Capacity (Ah) 40 Battery Module Gry in series (Optional) 3 4 System Nominal Voltage (V) 307.2 409.6 System Operature voltage (V) 268.8—460.8 5 System Operature voltage (V) 11.04 14.72 Charge/Discharge voltage (V) 11.04 14.72 Charge/Discharge voltage (V) Charge/Discharge-0-55 50 Communication Port CAN2/0FS485 50 Thermal Management Management Recommend Depth of Discharge voltage.90% CAN2/0FS485 Charge/Discharge Voltage (P) CAN2/0FS485 60 Yote Life (Charge/Discharge-0.05 CONDUCESTOR5/ONECOLOSCONGE CAN2/0FS485 Thermal Management K CAN2/0FS485 CAN2/0FS485	Communication Po	rt	CAN	2.0		
Operating Temperature Range (C) 40-60 Cooling Smart cooling Warnarty S years Certification UL2202/UL2231 Model G8-L Battery System Data G8-L Cell Chemistry LiFePO4 Module Energy (kWh) 6.02.4 Module Energy (kWh) 102.4 Module Capacity (kH) 40 Battery Module Qty in series (Optional) 3 System Norminal Voltage (V) 307.2 System Norminal Voltage (V) 306.8 System Norminal Voltage (V) 10.2.4 Module Capacity (kH) 40 System Norminal Voltage (V) 3 System Norminal Voltage (V) 307.2 System Norminal Voltage (V) 10.2.7 System Deating voltage (V) 10.4 Nature (V) 11.0.4 Charge/Discharge 20 Communication Port CAN2.0/RS485 Communication Port CAN2.0/RS485 Thermal Management Naturel Cooling/Smart Heating Certification UL9540/UL1973/UL9540A/UN38.3 Other Data 0 Pating of Enclosure P65 Notae (B) Solog Strike Notae (B) 45 Storage Temperature (C)	Charging standard		CCS1	Туре		
Cooling Smart cooling Waranty Syears Certification UL2202/UL2231 Model GP-1 Battery System Dar GP-1 Cell Chemisry GP-1 Module Energy (kWh) GP-1 Module Chergy (kWh) GP-1 Module Chergy (kWh) GP-1 Module Chergy (kWh) GP-1 Battery Module Cly in series (Optional) 3 4 System Nominal Voltage (V) GP-2 System Nominal Voltage (V) GP-2 System Operating voltage (V) GP-2 System Operating voltage (V) GP-2 System Operating voltage (V) GP-2 Charge/Discharge (KWh) 11.04 14.72 Charge/Discharge (KWh) 11.04 14.72 Charge/Discharge (C) GC GP-2 Working Temperature (C) GC Ansure/Discharge-20-55 Communical Pert / GCAD2/0FS/485 Thermal Management GC 45 Recommend Dept / GE-2 Cycle Lif Charge/Discharge GE-2 Cycle Lif Charge/Discharge - GE-2 Cycle Lif Charge/Discharge - GE-2 Communication GE GE-2 Thermal Management GE-2 Modue Charge	Standards/regulatio	ins	SAE J	1772		
Warranty Syears Certification UL2202/UL2231 Model GPL Battery System Dat GPL Cell Chemistry 6.9 Module Rengy (RWh) 4.09 Module Capacity (Ah) 40 Battery Module Qy in series (Optional) 3 4 System Operating voltage (V) 000/t 400/t System Operating voltage (V) 307.2 409.6 System Operating voltage (V) 12.27 16.36 System Dergy (RWh) 11.04 14.72 Charge/Discharge Recommend 20 Max 40 20 Charge/Discharge Recommend 40 20 Charge/Discharge Recommend 40 20 Max 6.36 50 Working Temperature (C) Charge/Discharge: 20-55 50 Communication Port CAN20/rSk485 70 Thermal Management Natural Coaling/Smart Heating Recommend 90% Cycle Life (Charge/Discharge: 25±2°C,0.5C/sC,70%EOL2=6000 Waranty <	Operating Tempera	ture Range (°C)	40~	60		
Certification UL2202/UL2231 Model Get Battery System Data Cell Chemistry LiFePO4 Module Energy (RWh) 4.09 Module Energy (RWh) 4.09 Module Capacity (Ah) 3 4 Battery Module Qty in series.(Optional) 3 4 System Nominal Voltage (V) 307.2 409.6 System Operating voltage (V) 268.8~460.8 5 System Operating Voltage (V) 12.27 16.36 System System Capacity (RWh) 11.04 14.72 Charge/Discharge Current (A) Recommend Max 20 Max 20 Genvertage (V) 50 Working Temperature (C) Charge/Discharge: 20~55 50 Commend Depth of Discharge 90% Cycle Life (Charge/Discharge) 525±2°C,0.5C/0.5C,70%EOL>6000 Warranty UL9540/UL1973 /UL9540/UN38.3 Genvertage 635%Rell Certification UL9540/UL1973 /UL9540A/UN38.3 Genvertage 635%Rell Mitude (m) Same Same Same Same Same Same Same Same	Cooling		Smart c	ooling		
Model GEL Battery System Dats LIFePO4 Cell Chemistry LIFePO4 Module Energy (kWh) 0 Module Sominal Voltage (V) 102.4 Module Capacity (Ah) 4 System Sominal Voltage (V) 307.2 System Sominal Voltage (V) 307.2 System Some Some Some Some Some Some Some So	Warranty		5 ye	ars		
Battery System DataCell ChemistryLiFe/PO4Module Energy (KWh)4.09Module Nominal Voltage (V)102.4Module Capacity (Ah)4Battery Module Qty in series.(Optional)334System Nominal Voltage (V)307.2System Nominal Voltage (V)268.8~460.8System Nominal Voltage (N)11.0412.2716.36System System System Centry (KWh)11.04Charge/Discharge20Current (A)400Max40Current (A)400Max40Current (A)14.72Morking Temperature (C)Charge/Discharge: 20~55Communication PortCAN2.0/R5845Thermal ManagementNatural Cooling/Smart HeatingRecommend Depth of Discharge25±2'C,0.50/JC.C70%EOL≥6000Varianty0 yearsCertificationUL9540/UL1973 /UL9540A/UN38.3Other Data10 yearsCertification10 yearsInitiation for t5~85%RHAttitude (m)5.000P Rating of Enclosure10 seasInitiation for t5.000P Rating of Enclosure10 seasInitiation for t5.000Dimension (W/D/H,mm)540°385*1120Weight Approximate (kg)171207	Certification					
Module Energy (kM/L4.09Module Energy (kM/L102.4Module Abominal Vote (A)102.4Module Capacity (A)34Battery Module Qity inseries (Optional)34System Nominal Vote (K)34System Nominal Vote (K)307.2409.6System Operating Vote (K)12.2716.36System Suble Filter (K)11.0414.72Charge/DischargeRecommend0Max014.72Park (Z) (Suinters, 25 or)00Working Temperature (S)GCharge/Discharge-20~55Communication Pitter (S)Charge/Discharge-20~55Communication Pitter (S)Charge/Discharge-20~55Communication Pitter (S)Sotter (S)Cycle Life (Charge)-IschargeCAN2.0/FS485Recommend Deptify TolschargeCAN2.0/FS485Communication Pitter (S)Sotter (S)WarantySotter (S)Marger (S)Sotter (S)<	Model		GB	۰.		
Module Approviment Version Interversion	Battery System Dat	ta				
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Module Capacity (Ah) 40 Battery Module Qty in series.(Optional) 3 4 System Nominal Voltage (V) 307.2 409.6 System Operating voltage (V) 268.8~460.8 409.6 System Operating voltage (V) 12.27 16.36 System Spring voltage (W) 11.04 14.72 Charge/Discharge Current (A) Max 40 Max 40 40 Charge/Discharge Current (V) Sotem Charge/Discharge: 20~55 50 Working Temperature (°C) Charge/Discharge: 20~55 Communication Port Communication Port CAN2.0/R5485 50 Thermal Management Natural Cooling/Smart Heating 625±2°C,0.5C/0.5C/0.9C,0.9C,0.9C,0.9C,0.9C,0.9C,0.9C,0.9C,	Module Energy (kW	h)	4.0	19		
Battery Module Qty in series.(Optional)34System Nominal Voltage (V)307.2409.6System Operating voltage (V)768.8~460.8System Energy (RW)12.2716.36System System Usable Energy (RW)11.0414.72Charge/Discharge Current (A)Recommend Max20Max200Working Temperature (C)Charge/Discharge-20~55Communication PortCAN2.0/RS485Thermal ManagementOCAN2.0/RS485Recommend Dept of Discharge90%Cycle Life (Charge/Discharge)0Varianty0Certification10 yearsOther Data10 yearsHumidity5-85%RHAltrude (m)2000IP Rating of Enclosure10 selsNoise (dB)0Storage Temperature (C)645Storage Temperature (C)540°385*1420Mieght Approximate (kg)17.1207	Module Nominal Vo	oltage (V)	102	2.4		
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$\begin{array}{c c c c c c } Systemy Usable Energy (kWh) & 11.04 & 14.72 \\ \hline 11.04 & 0 \\ \hline 11.04 $	System Operating v	oltage (V)	268.8~460.8			
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Recommend Depth of Discharge90%Cycle Life (Charge/Discharge)25±2°C,0.5C/0.5C,70%EOL≥6000Warranty10 yearsCertificationUL9540/UL1973 /UL9540A/UN38.3Other DataHumidity5~85%RHAltitude (m)≤2000IP Rating of EnclosureIP65Noise (dB)<45	Communication Po	ort	CAN2.0/RS485			
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Humidity 5~85%RH Altitude (m) <200	0ther Data					
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IP Rating of Enclosure IP65 Noise (dB) <45			≤2000			
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Storage Temperature (°C) 0~35 Dimension (W/D/H,mm) 540*385*1420 540*385*1530 Weight Approximate (kg) 171 207						
Dimension (W/D/H,mm) 540*385*1420 540*385*1530 Weight Approximate (kg) 171 207						
Weight Approximate (kg) 171 207						

Typical Application Diagram



[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] The warranty is due whichever reached first of warranty period or life cycle power.

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