Summer Series
Small-Scale C&I ESS Solution
Rack-Mounted Battery (HV)

BOS-G Pro (EU, SA, AU)
Technical Data

Main Parameters

Cell Chemistry			LiFePO$_4$	
Module Energy (kWh)			5.12	
Module Nominal Voltage (V)			51.2	
Module Capacity (Ah)			100	
Battery Module Number	BOS-G25 Pro	BOS-G40 Pro	BOS-G60 Pro	BOS-G80 Pro
Battery Module Qty In Series (Optional)	5 (Min)	8	12	16
System Nominal Voltage (V)	256	409.6	614.4	819.2
System Operating Voltage (V)	220~292	352~467.2	528~700.8	704~934.4
System Energy (kWh)	25.6	40.96	61.44	81.92
System Usable Energy (kWh)	23.04	36.86	55.3	73.73
Rated DC Power	25.6	40.96	61.44	81.92
Charge / Discharge Current (A)	Recommend		50	
	Max.		100	
	Peak Discharge (2 mins, 25℃)		125	

Other Parameters

Operating Temperature (℃)		Charge : 0 ~ 55 / Discharge : -20 ~ 55	
Status Indicator		Yellow : Battery High Voltage Power On Red : Battery System Alarm	
Communication Port		CAN2.0 / RS485	
Humidity		5% ~ 85%RH	
Altitude		≤3000m	
IP Rating of Enclosure		IP20	
System Dimension (W x D x H,mm)	530 × 602 × 1629	530 × 602 × 2219	1060 × 602 × 1629
System Weight Approximate (kg)	290	428	622	837
Installation Location		Rack Mounting	
Storage Temperature(℃)		0 ~ 35	
Recommend Depth of Discharge		90%	
Cycle Life		25±2℃, 0.5C / 0.5C, EOL70%≥6000	
Warranty Period		10 years	
Certification		UN38.3 / CE / CE-EMC / IEC62040 / CEC / VDE	

Inverter	1h	2h	3h	4h
SUN-30K-SG01HP3-EU-BM3	X6	X12	X9 X2	X12 X2
SUN-40K-SG01HP3-EU-BM4	X8	X8 X2	X12 X2	X11 X3
SUN-50K-SG01HP3-EU-BM4	X10	X10 X2	X10 X3	X10 X4
SUN-60K-SG02HP3-EU-EM4	X12	X12 X2	X12 X3	X16 X3
SUN-80K-SG02HP3-EU-EM6	X16	X16 X2	X16 X3	X16 X4

Convenient

⊙ Quick installation standard of 19-inch embedded designed module is comfortable for installation and maintenance.

Intelligent BMS

⊙ It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can 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.

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.
⊙ Support Aerosol fire extinguishing.

Flexible Configuration

⊙ Multiple battery modules can be in parallel for expanding capacity and power. Support USB upgrade, remote up grade (Compatible with Deye inverter).
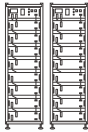
Wide Temperature

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