

BATTERIES: LG CHEM • BYD • SUNGROW SAMSUNG • Q.HOME • HUAWEI • ALPHA ESS

INVERTERS: GOODWE • SUNGROW • HUAWEI • SOLAR EDGE • Q.CELL • SOLIS

YOUR COMPLETE GUIDE TO SOLAR HOME BATTERY STORAGE

1STOP Warehouse

Be Clean, Be Green

Energy Storage Solutions



Inverter Options

Inverter and battery's specifications can be found in separately data sheet. Available on the [One Stop Warehouse Web Site](#)



Battery Options

Battery needs to be compatible with the Inverter, please refer to Inverter/Battery Compatible table



Integrated Systems

Integrated Solutions give you an all in one hybrid Inverter and battery solution

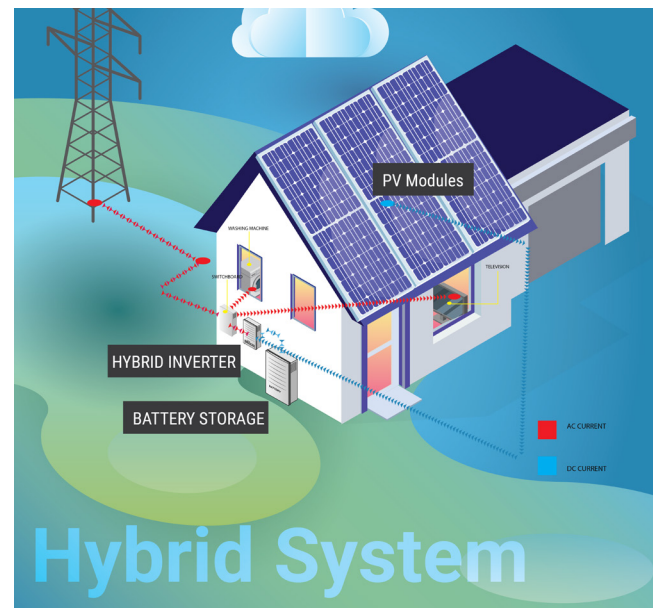


Methods of Having Energy Storage with Solar System

Either with existing solar system installed or without, you can install Energy Storage to your home. Typically, you can make 'Hybrid System' or 'Retrofit System' which can cover all your need. Either way can maximize your savings.

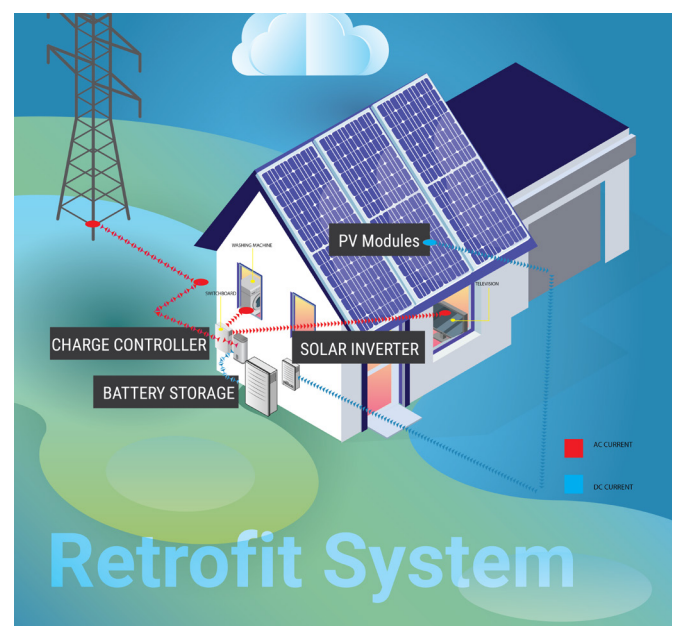
Hybrid Systems

This solution is optimal for new system installations who would like battery storage OR existing system owners who would like to replace the old (out of warranty) inverter with a new hybrid inverter + Battery.



Retrofit system

If you have an existing solar PV system and are still happy with the inverter and PV array, this retrofit solution allows you to independently couple batteries to your existing system by adding an AC or DC charger, without connecting to or replacing the original PV inverter. This retrofit solution works with any existing inverters



Battery Options

Find the perfect battery option and match it with the right inverter.

One Stop Warehouse Battery solutions makes it easy to find the perfect combination.



LG Chem RESU6.5, RESU9.8,

- 10 years warranty for at least 60%;
- Guarantee 20MWh (RESU6.5)/30MWh (RESU9.8) throughput.



LG Chem RESU 13

- 10 years warranty for at least 80%;
- Guarantee 30MWh throughput.



LG Chem RESU10H / RESU10H Secondary

- 10 years warranty for at least 60%;
- Guarantee 27.4MWh throughput.



BYD LVS 4.0

- 10 years warranty for at least 60%;
- Guarantee 11.88MWh throughput.



BYD HVM 2.76

- 10 years warranty for at least 60%;
- Guarantee 8.54MWh throughput.



BYD LVL15.4

- 10 years warranty for at least 60%;
- Guarantee 60MWh throughput.



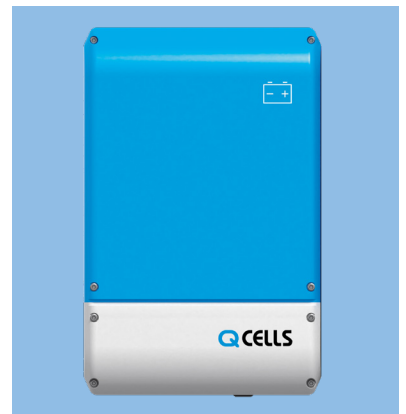
Sungrow and Samsung SBP4K8

- 10 years warranty for at least 70%;
- Guarantee 4000 full-charged cycles.



AlphaESS Smile 5 10kWh /Smile 5 13kWh

- 10 years warranty for at least 80%;
- Guarantee 30.07MWh (Smile 5 10.3)/38.83MWh (Smile 5 13.3) throughput.



Q.HOME Q.SAVE 4kWh

- 10 years warranty for at least 65%;
- Guarantee 11.838MWh throughput.



GW5048D-ES



GW5048-EM



GW5KL-ET

Phase	Model Number	Back Up Power (VA)	Battery Max Charging/Discharging Current (A) ⁽¹⁾	LG Chem			BYD	
				RESU6.5 ⁽²⁾	RESU9.8 ⁽²⁾	RESU13 ⁽³⁾	HVM2.76 ⁽⁴⁾	LVS 4.0
1 Phase	GW5048-EM	2,300	50	✓	✓	✓		✓
	GW5048D-ES	4,600	100	✓	✓	✓	-	✓
	GW5000-EH	5,000	25	-	-	-	✓	
AC Retrofit	GW5000S-BP	5,000	100	✓	✓	✓		✓
3 Phase	GW5KL-ET	5,000	25	-	-	-	✓	
	GW10KL-ET	10,000	25	-	-	-	✓	

(1) Battery max charging/discharging voltage and current can be variable based on the battery model and qualities.

(2) RESU6.5/9.8 can be expanded with another RESU6.5/9.8 with RESU PLUS.

(3) RESU13 only can be expanded with another RESU13 with RESU PLUS.

(4) EH: HVM2.76 can expand from 3-8 modules; ET: HVM can expand from 4-8 modules.

(5) LVS 4.0 can expand from 1-6 models.

Battery Combo

OSW Item Group	Item Group Description	SA Home Battery Scheme	VIC Solar Battery Rebate
BSKit-GWEM5+LGC6.5L	Goodwe GW5048-EM + LG Chem RESU6.5	✓	✓
BSKit-GWEM5+LGC13L	Goodwe GW5048-EM + LG Chem RESU13.0	✓	✓
BSKit-GWEM5+BYD LVS 12	Goodwe GW5048-EM + BYD LVS 12.0	-	-
BSKit-GWES5+LGC6.5L	Goodwe GW5048D-ES + LG Chem RESU6.5	✓	✓
BSKit-GWES5+LGC13L	Goodwe GW5048D-ES + LG Chem RESU13.0	✓	✓
BSKit-GWES5+BYD LVS 12	Goodwe GW5048D-ES + BYD LVS 12.0	-	-
BSKit-GWEH5+BYD11.04H	Goodwe GW5000-EH + BYD-HVM-H-11.04	-	-
BSKit-GWSBP5+LGC6.5L	Goodwe GW5000S-BP + LG Chem RESU6.5	✓	✓
BSKit-GWSBP5+LGC13L	Goodwe GW5000S-BP + LG Chem RESU13.0	✓	✓
BSKit-GWSBP5+BYD LVS 12	Goodwe GW5000S-BP + BYD LVS 12	-	-
BSKit-GWET10+BYD11.04H	Goodwe GW10KL-ET + BYD-HVM-H-11.04	-	-

(1) If you are interested in other sizes of the battery please contact our Account Manager for more information.

(2) Warranty: 5 years standard warranty for inverters and battery warranty can be found in batteries' warranty documents.

(3) Backup: inbuilt UPS.



SH5K-30



SH10.0RT

Phase	Model Number	Back Up Power (VA)	Battery Max Charging/ Discharging Current (A) ⁽¹⁾	LG Chem				Sungrow Samsung	BYD
				RESU6.5 ⁽²⁾	RESU9.8 ⁽²⁾	RESU13 ⁽³⁾	RE-SU9.8H		
1 Phase	SH5K-30	5,000W and 3,000 from Battery	65	✓	✓	✓	-	✓	-
3 Phase	SH5.0RT ⁽⁶⁾	5,000	25	-	-	-	✓	-	✓
	SH10.0RT ⁽⁶⁾	10,000	25	-	-	-	✓	-	✓

(1) Battery max charging/discharging voltage and current can be variable based on the battery model and quantities.

(2) RESU6.5/9.8 can be expanded with another RESU6.5/9.8 with RESU PLUS.

(3) RESU13 only can be expanded with another RESU13 with RESU PLUS.

(4) SBP4K8 can expand up to 3 batteries.

(5) HVM2.76 can expand from 4 to 8 modules.

(6) will be released soon.

Battery Combo

OSW Item Group	Item Group Description	SA Home Battery Scheme	VIC Solar Battery Rebate
BSKit-SH5K30+LGC6.5L	Sungrow SH5K-30 + LG Chem RESU6.5	-	-
BSKit-SH5K30+LGC9.8L	Sungrow SH5K-30 + LG Chem RESU9.8	-	-
BSKit-SH5K30+LGC13L	Sungrow SH5K-30 + LG Chem RESU13.0	-	-
BSKit-SH5K30+BYD LVS 8	Sungrow SH5K-30 + BYD LVS 8.0	-	-
BSKit-SH5K30+BYD LVS 12	Sungrow SH5K-30 + BYD LVS 12.0	-	-
BSKit-SH5K30+SBP4K8	Sungrow SH5K-30 + Samsung SBP4K8 LV	-	-

1. Warranty: 10 years standard

2. Backup: Inbuilt UPS



SOL-RHI-5K-48ES

Phase	Model Number	Back Up Power (VA)	Battery Max Charging/Discharging Current (A) ⁽¹⁾	LG Chem		
				RESU6.5 ⁽²⁾	RESU9.8 ⁽²⁾	RESU13 ⁽³⁾
1 Phase	SOL-RHI-5K-48ES	5000	100	✓	✓	✓

(1) Battery max charging/discharging voltage and current can be variable based on the battery model and quantities.

(2) RESU6.5/9.8 can be expanded with another RESU6.5/9.8 with RESU PLUS.

(3) RESU13 only can be expanded with another RESU13 with RESU PLUS.

Battery Combo

OSW Item Group	Item Group Description	SA Home Battery Scheme	VIC Solar Battery Rebate
BSKit-RHI-5K+LGC6.5L	Solis SOL-RHI-5K-48ES + LG Chem RESU6.5	-	-
BSKit-RHI-5K+LGC9.8L	Solis SOL-RHI-5K-48ES + LG Chem RESU9.8	-	-
BSKit-RHI-5K+LGC13L	Solis SOL-RHI-5K-48ES + LG Chem RESU13	-	-

1. Warranty: 5 years. Standard.

2. Backup: inbuilt UPS

Huawei Inverters



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Huawei SUN2000L-5KTL-L1



Huw-SUN2000-5KTL-M0

Phase	Model Number	Back Up Power (VA)	Battery Max Charging/Discharging Current (A) ⁽¹⁾	LG Chem
				RESU10H
1 Phase	HUW-SUN2000L-3KTL-L1	- (3)	12.5	✓
	HUW-SUN2000L-5KTL-L1	- (3)	12.5	✓
	HUW-SUN2000L-6KTL-L1 ⁽²⁾	- (3)	12.5	✓
3 Phases	HUW-SUN2000-5KTL-M0	-	-	
	HUW-SUN2000-6KTL-M0	-	-	

(1) Battery max charging/discharging voltage and current can be variable based on the battery model and quantities.

(2) Will release in 2nd half of 2020.

(3) Backup box will be introduced in Q4 2020

Battery Combo

OSW Item Group	Item Group Description	SA Home Battery Scheme	VIC Solar Battery Rebate
BSkit-HUW3K-L1+LGC9.8H	Huawei SUN2000L-3KTL-L1 + LG Chem RESU9.8H	-	-
BSkit-HUW5K-L1+LGC9.8H	Huawei SUN2000L-5KTL-L1 + LG Chem RESU9.8H	-	-
BSkit-HUW6K-L1+LGC9.8H	Huawei SUN2000L-6KTL-L1 + LG Chem RESU9.8H	-	-

1. Warranty: 5 years standard.

2. Backup: Not applicable, but Huawei is expecting to launch backup box for -L1 end of 2020. Details can be found above.



SolarEdge SE5000-AUS



SolarEdge SE5000H-AUSAC



SolarEdge SESTI-S4

Phase	Model Number	Back Up Power (VA)	Battery Max Charging/Discharging Current (A) ⁽¹⁾	LG Chem
				RESU10H ⁽²⁾
1 Phase	SEG-SE5000-AUS	4,985	17.5	✓
	SEG-SE6000-AUS	4,985	17.5	✓
AC Retrofit	SEG-SE5000H-AUSAC	4,985	17.5	✓
DC Retrofit	SEG-SESTI-S4	-	-	✓

(1) Battery max charging/discharging voltage and current can be variable based on the battery model and quantities.

(2) RESU10H can expand with only one RESU10H Secondary

Battery Combo

OSW Item Group	Item Group Description	SA Home Battery Scheme	VIC Solar Battery Rebate
BSkit-SE5000-AUS+LGC9.8H	SolarEdge SE5000-AUS + LG Chem RESU9.8H	✓	✓
BSkit-SE6000-AUS+LGC9.8H	SolarEdge SE6000-AUS + LG Chem RESU9.8H	✓	✓
BSkit-SE5000H-AUSAC+LGC9.8H	BSkit-SE5000H-AUSAC + LG Chem RESU9.8H	✓	✓
BSkit-SESTI-S4-AUS+LGC9.8H	SolarEdge SESTI-S4 + LG Chem RESU9.8H	✓	✓

1. Warranty: 12 years standard.

2. Backup: inbuilt EPS.



QHOME-Q.SAVE 12kWh + QHOME-Q.SAVE 8kWh + QHOME-Q.SAVE 4kWh + QHOME-Q.VOLT 5kW

Phase	Model Number	Back Up Power (VA)	Battery Max Charging/Discharging Current (A) ⁽¹⁾	QCELLS
				Q.SAVE-G2 4kWh ⁽²⁾
1 Phase	QHOME-Q.VOLT 5kW	4,985	17	✓

(1) Battery max charging/discharging voltage and current can be variable based on the battery model and quantities.

(2) Q.SAVE can be expanded up to 3 units from 4kWh to 12 kWh.

Battery Combo

OSW Item Group	Item Group Description	SA Home Battery Scheme	VIC Solar Battery Rebate
BSKit-Q.HOME 4.0 H	QHOME-Q.VOLT 5kW + QHOME-Q.SAVE 4kWh	✓	✓
BSKit-Q.HOME 8.0 H	QHOME-Q.VOLT 5kW + QHOME-Q.SAVE 8kWh	✓	✓
BSKit-Q.HOME 12.0 H	QHOME-Q.VOLT 5kW + QHOME-Q.SAVE 12kWh	✓	✓

1. Warranty: 10 years standard.

2. Backup: inbuilt EPS.



Alpha Smile5 + Alpha Smile 10.3L, 13.3

Phase	Model Number	Back Up Power (VA)	Battery Max Charging/ Discharging Current (A) ⁽¹⁾	AlphaEss
				SMILE-BAT-10.3P ⁽²⁾
1 Phase	SMILE5-INV	5000	100	✓

(1) Battery max charging/discharging voltage and current can be variable based on the battery model and quantities.

(2) SMILE Battery can be expanded up to 6 units from 10.3kWh to 61.8 kWh.

Battery Combo

OSW Item Group	Item Group Description	SA Home Battery Scheme	VIC Solar Battery Rebate
BSKit-Smile 5-10.3kWh	Alpha Smile5 + Alpha Smile 10.3L	✓	✓
BSKit-Smile 5-13.3kWh	Alpha Smile5 + Alpha Smile 13.3L		

1. Warranty: Inverter (5 years standard); Battery (10 year performance)

2. Backup: inbuilt UPS.



BATTERIES: LG CHEM • BYD • SUNGROW SAMSUNG • Q.HOME • HUAWEI • ALPHA ESS

INVERTERS: GOODWE • SUNGROW • HUAWEI • SOLAR EDGE • Q-CELL • SOLIS • HUAWEI

YOUR COMPLETE WHOLESALE OF HOME BATTERY STORAGE

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Be Clean, Be Green

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