NEPT G
RESIDENTIAL ESS SOLUTION

GB-L Ultra

Heating

Intelligent Management & Easy O&M

- **Pack + Cell Dual-Level Online Self-Balancing Technology,**expansion and battery replacement require no pre-configuration
- **Deye BMS+EMS** integrated control for real-time performance optimization
- **Bluetooth & Deye Cloud , 24/7** monitoring & diagnostics

Superior Performance & Ultimate Safety

- **75A** Continuous Output, perfectly matched with Deye **10~50kW** HV inverters
- **IP66** protection, Stable Operation from **-20°C to 55°C**
- Cluster Temperature Difference **< 8°C** , ensuring longer battery cycle life
- **Pack-Level Pressure & Fire Protection,Cell & Connection Over-Temperature Protection**

High Integration & Easy Expansion

- Built on a **modular architecture**, with a cable-free stacking design
- **Higher energy density** maximizes vertical space utilization
- Each cluster delivers **17.28–80.64kWh** for residential & small C&I applications

New HV
ESS

10-Year
Warranty

≥6000
Cycle Llife

Technical Data

Model		GB-L17 Ultra	GB-L23 Ultra	GB-L28 Ultra	GB-L34 Ultra	GB-L40 Ultra	GB-L46 Ultra
Main parameter							
Cell Chemistry		$LiFePO_4$					
Module model		GB-L-Pack5.76-H7					
Module Energy (kWh)		5.76					
Module Norminal Voltage (V)		57.6					
Module Capacity (Ah)[1]		100					
Battery Module Qty In Series（Optional)		3	4	5	6	7	8
System Nominal Voltage (V)		172.8	230.4	288.0	345.6	403.2	460.8
System Operating Voltage (V)		135~197.1	180~262.8	225~328.5	270~394.2	315~459.9	360~525.6
System Normal Energy (kWh)		17.28	23.04	28.8	34.56	40.32	46.08
Charge Current (A)[2]	Max.Continuous	75					
	Peak	104(15s)					
Disharge Current (A)[2]	Max.Continuous	75					
	Peak	135(2min)					
Other Parameter							
Depth of Discharge[3]		100%					
Dimension (W × D × H) （mm)		610x385x597	610x385x737	610x385x877	610x385x1017	610x385x1157	610x385x1297
Weight Approximate （kg)		171	220	269	318	367	416
Display		LCD					
Communication Port		CAN2.0，RS485，Bluetooth					
Cycle Life[1]		≥6000					
Working Temperature (°C)	Charge	-20~55 (Heating On)					
	Discharge	-20 ~ 55					
Warranty[4]		10 years					
Storage Temperature (°C)		0 ~ 35					
Fire Protection		Aerosol，Explosion venting					
Humidity		5%~95% RH,Non-Condensing					
Altitude（m)		≤3000					
IP Rating of Enclosure		IP66					
Scalability		Max.16 Modules in parallel					
Instalaton Location		Floor Mount					
Type of Cooling		Natural Cooling					
Certification		IEC 62619/IEC 62040/VDE 2510-50/CEC/UN38.3					

[1] Test conditions : 0.2C Charging & Discharging, 25°C±2°C.
[2] The current is affected by temperature and SOC.
[3] Adjustable as required.
[4] Conditions apply, refer to Deye Warranty Letter.

Technical Data

Model		GB-L51 Ultra	GB-L57 Ultra	GB-L63 Ultra	GB-L69 Ultra	GB-L74 Ultra	GB-L80 Ultra
Main parameter							
Cell Chemistry		$LiFePO_4$					
Module model		GB-L-Pack5.76-H7					
Module Energy (kWh)		5.76					
Module Norminal Voltage (V)		57.6					
Module Capacity (Ah)[1]		100					
Battery Module Qty In Series（Optional)		9	10	11	12	13	14
System Nominal Voltage (V)		518.4	576	633.6	691.2	748.8	806.4
System Operating Voltage (V)		405~591.3	450~657	495~722.7	540~788.4	585~854.1	630~919.8
System Normal Energy (kWh)		51.84	57.6	63.36	69.12	74.88	80.64
Charge Current (A)[2]	Max.Continuous	75					
	Peak	104(15s)					
Disharge Current (A)[2]	Max.Continuous	75					
	Peak	135(2min)					
Other Parameter							
Depth of Discharge[3]		100%					
Dimension (W × D × H) （mm)		610x385x1437	610x385x1577	610x385x1717	610x385x1857	610x385x1997	610x385x2137
Weight Approximate （kg)		465	514	563	612	661	710
Display		LCD					
Communication Port		CAN2.0，RS485，Bluetooth					
Cycle Life[1]		≥6000					
Working Temperature (°C)	Charge	-20~55 (Heating On)					
	Discharge	-20 ~ 55					
Warranty[4]		10 years					
Storage Temperature (°C)		0 ~ 35					
Fire Protection		Aerosol，Explosion venting					
Humidity		5%~95% RH,Non-Condensing					
Altitude（m)		≤3000					
IP Rating of Enclosure		IP66					
Scalability		Max.16 Modules in parallel					
Instalaton Location		Floor Mount					
Type of Cooling		Natural Cooling					
Certification		IEC 62619/IEC 62040/VDE 2510-50/CEC/UN38.3					

[1] Test conditions : 0.2C Charging & Discharging, 25°C±2°C.
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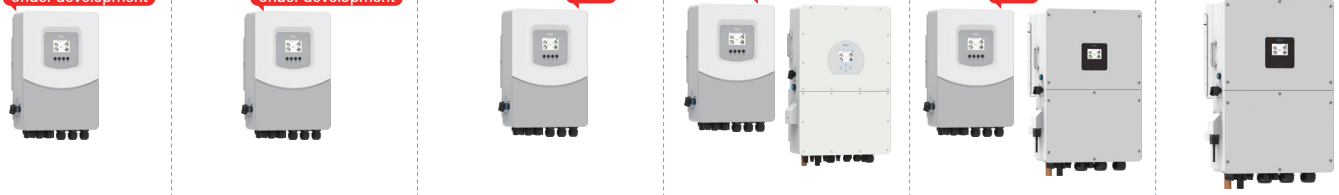
Three-Phase ESS Solution(Recommdend)

GB-L Ultra Series Battery

GB-L17 Ultra	GB-L23 Ultra	GB-L28 Ultra	GB-L40 Ultra	GB-L51 Ultra	GB-L69 Ultra

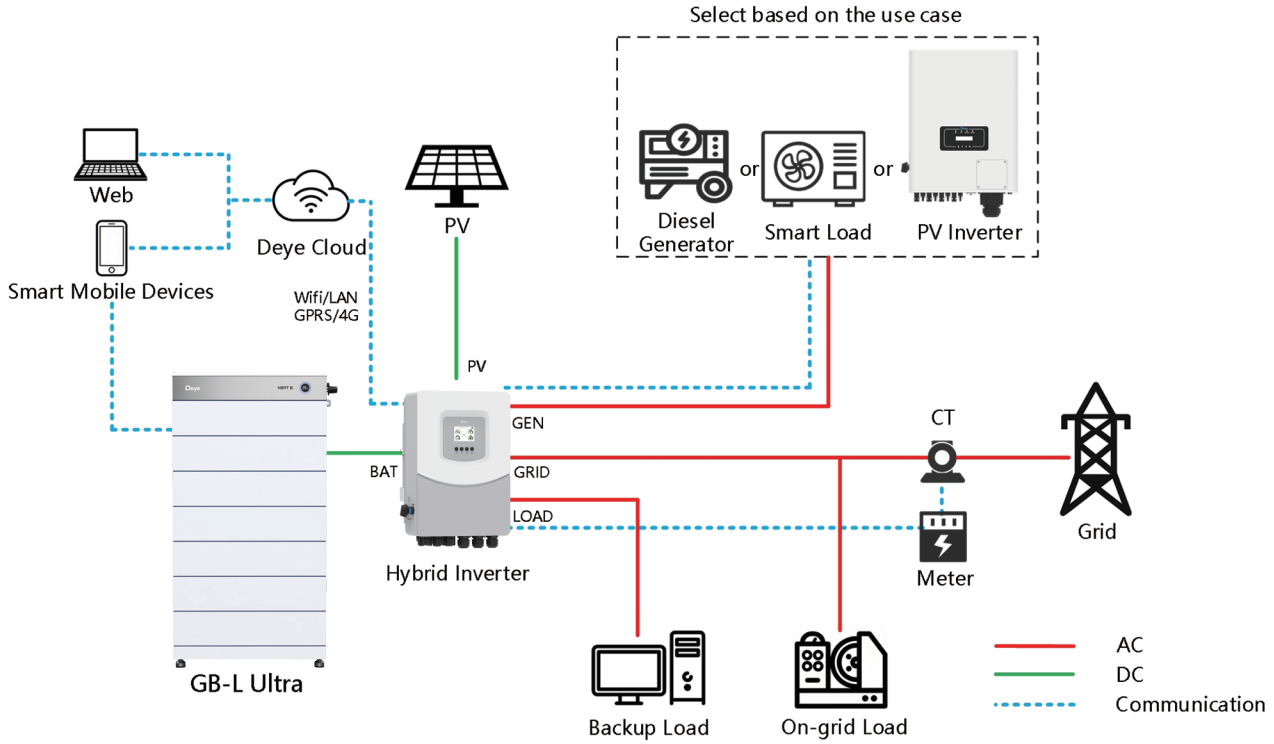
Three-Phase HV Hybrid Inverter

+	+	+	+	+	+
10kW(55A)	12kW(55A)	15kW(55A)	20kW(55A) 30kW(75A)	25kW(55A) 35kW(75A)	50kW(75A)
Under development	Under development	New	New	New	



Power Unit	Battery Model	Specification
Standard Ressidential ESS		
SUN-10K-SG02HP3-EU-DM2	GB-L17 Ultra	10kW/17.28kWh
SUN-12K-SG02HP3-EU-DM2	GB-L23 Ultra	12kW/23.04kWh
SUN-15K-SG02HP3-EU-DM3	GB-L28 Ultra	15kW/28.8kWh
SUN-20K-SG02HP3-EU-DM3	GB-L40 Ultra	20kW/40.32kWh
Large Ressidential ESS		
SUN-25K-SG02HP3-EU-AM3	GB-L34 Ultra	25kW/34.56kWh
SUN-25K-SG02HP3-EU-DM3	GB-L51 Ultra	25kW/51.84kWh
SUN-30K-SG02HP3-EU-AM3	GB-L40 Ultra	30kW/40.32kWh
SUN-35K-SG02HP3-EU-BM3	GB-L51 Ultra	35kW/51.84kWh
SUN-40K-SG02HP3-EU-BM4	GB-L57 Ultra	40kW/57.6kWh
Small C&I		
SUN-50K-SG02HP3-EU-BM4	GB-L69 Ultra	50kW/69.12kWh
SUN-60K-SG02HP3-EU-EM6	GB-L80 Ultra	60kW/80.64kWh
SUN-70K-SG02HP3-EU-EM6	GB-L51 Ultra*2	70kW/103.68kWh
SUN-80K-SG02HP3-EU-EM6	GB-L57 Ultra*2	80kW/115.2kWh
SUN-100K-SG02HP3-EU-GM10	GB-L69 Ultra*2	100kW/138.24kWh

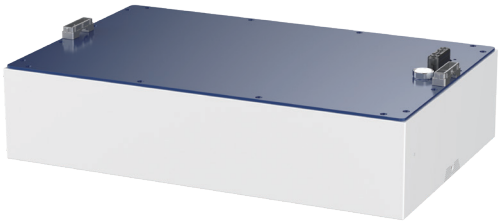
Typical Application Scenarios



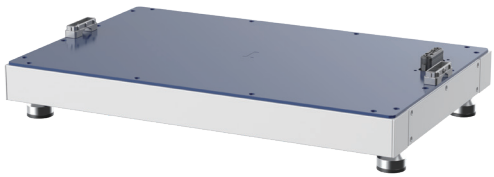
System Components

GB-L-PDU-H	
Operating Voltage （V）	100~1000
Max Charge / Discharge Current（A）	75
Operating Temperature Range （°C）	-20~55
Ingress Protection	IP66
Dimension (W × D × H) （mm）	610x385x110
Weight Approximate （kg）	15

GB-L-Pack5.76-H7	
Battery Type	LiFePO4
Nominal Voltage （V）	57.6
Rated Capacity （Ah）	100
Rated Energy （kWh）	5.76
Max Charge/Discharge Current（A）	75
Charge Temperature （°C）	-20~55 (Heating On)
Discharge Temperature（°C）	-20 ~ 55
Storage Temperature（°C）	0 ~ 35
Ingress Protection	IP66
Dimension (W × D × H) （mm）	610x385x140
Weight Approximate （kg）	49



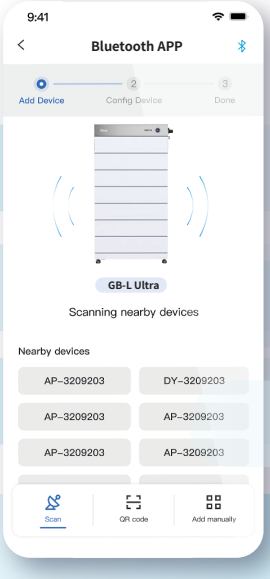
GB-L-Base-A	
Dimension (W × D × H) （mm）	610x385x67
Weight Approximate （kg）	9

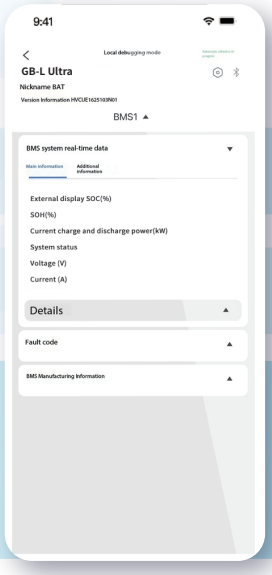


Deye APP

Local monitoring mode for battery

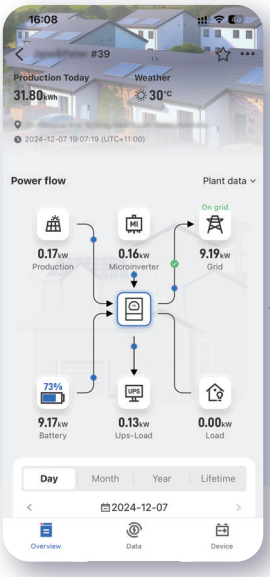
- Bluetooth APP Monitoring
- Low Power (Bluetooth LE)
- Automated upgrade

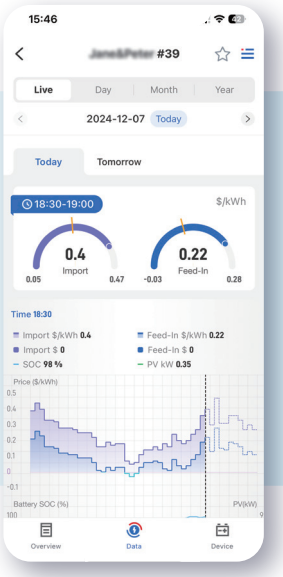




- Quick Pairing
- No Internet Needed
- Portable Control

Remote monitoring mode for ESS(Inverter&Battery)





- Real-time Equipment Monitoring
- Intelligent Charging/Discharging Strategies
- AI Data Analytics
- Customized Maintenance

Smarten Up Your Home Energy

→

Download Deye APP to join us!

Embrace a seamless, effortless energy experience that's both ecofriendly and budget-friendly with our intelligent assistant

Deye

POWERING YOUR LIFE

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