

<b>Nominal Parameters</b>	
<b>Battery Chemistry</b>	LiFePO4
<b>Voltage</b>	51.2V
<b>Operating Voltage</b>	45-56V
<b>Capacity</b>	280Ah
<b>Energy</b>	14.34kWh
<b>Scalability</b>	Max 16pcs in parallel (229kWh)
<b>Usable Energy</b>	12.91kWh
<b>Charge / Discharge Current</b>	<b>Recommended:</b> 100A <b>Max:</b> 150A <b>Peak (2 mins, 25°C):</b> 200A
<b>Basic Parameters</b>	
<b>Model No</b>	GSL-051280A-B-GBP2
<b>Recommended Depth of Discharge</b>	80%
<b>Dimensions (W / H / D)</b>	35.4" x 26.6" x 7.8" (900mm x 675mm x 200mm)
<b>Approximate Weight</b>	283 lbs (128.5 kg)
<b>Master LED Indicator</b>	4 LED (SOC: 25% ~ 100%) 2 LED (Working, Alarming, Protecting)
<b>IP Rating of Enclosure</b>	IP20
<b>Working Temperature</b>	<b>Charge:</b> 32°F ~ 131°F (0°C ~ 55°C) <b>Discharge:</b> -4°F ~ 131°F (-20°C ~ 55°C)
<b>Storage Temperature</b>	32°F ~ 95°F (0°C ~ 35°C)
<b>Humidity</b>	5% ~ 95%
<b>Altitude</b>	≤2000m
<b>Cycle Life (25 ± 2°C, 0.5C / 0.5C, 80% EOL)</b>	≥8500
<b>Installation</b>	Wall Mounted
<b>Communication Port</b>	CAN 2.0, RS485
<b>Warranty Period</b>	15 Years
<b>Life Cycle Power During Warranty Period</b>	64.80mWh @ 80% EOL
<b>Certification</b>	UL1973, UL9540A, CB-IEC62619, CE-EMC, UN38.3, MSDS

- Long lasting. More than 8500 cycles with 80% DoD ensured.
- Intelligent. Each battery includes an independent BMS System, managing power smartly and efficiently.
- Modular. Connect up to 16 units in parallel to fit your needs.
- Easy to install and use. The battery is plug and play for simplicity.
- Compatible. Compatible with most available hybrid inverters.
- Safe. Safety certifications include UL1973, UL9540A, CB-IEC62619, CE-EMC, UN38.3, and MSD.

## Product Design

