



As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, LINIOTECH has provided various battery solutions for nearly all kinds of ESS applications. Thanks to our self-developed core technology in cells/BMS/system design, LINIOTECH has delivered more than 80+ countries serving 200,000+ users.

### ✓ Long life and safety

Vertical industry integration ensures more than 6500 cycles with 80% DoD.  
Safe Lithium iron phosphate battery cell.

### ✓ Intelligent

Each battery with independent BMS system manages power output smartly and effectively.

### ✓ Modularization

Modular design gives the end customers the power of choice of capacity Deliver up to 229KW with single max module (14.33KWh) at 16pcs parallel connection .

### ✓ Easy to install and use

Just plug and play to minimize the installation time and cost.  
Compact and fashionable design fits in your sweet home environment.

### ✓ Compatibility

Compatible with most of the available Hybrid inverters.

### ✓ Safety Cert

UL1973, UL9540, UL9540A, UL1642, IEC62619, CE, UN38.3, MSDS.

## Battery Specifications

Model No	LNT051280A-B-GBP2
<b>Nominal Parameters</b>	
Voltage	51.2V
Capacity	280Ah
Energy	14.33 Kwh
Dimensions (L x W x H)	900 x675 x200mm
Weight	140kg
<b>Basic Parameters</b>	
Life time(25°C)	12 years
Life cycles(80% DOD, 25°C)	7500 Times
Storage time / temperature	5 months @ 25°C; 3 months @ 35°C; 1 month @ 45°C
Operation temperature	-20°C to 60°C @60+/-25% Relative Humidity
Storage temperature	0°C to 45°C @60+/-25% Relative Humidity
Lithium Battery Standard	UL1973, UL9540, UL9540A, UL1642, IEC62619, UN38.3, ROHS, CE-EMC
Enclosure protection rating	IP21
<b>Electrical Parameters</b>	
Operation voltage	46-56 Vdc
Max.charging voltage	56 Vdc
Max.charging and discharging current	200A
Maximum Continuous Discharge Rate	7.68kw

