



**4500 Cycles @ 90% DoD!**

## LITHIUM ENERGY STORAGE SYSTEM -FOR RESIDENTIAL AND SME



**PYLONTECH**

### FEATURES:

- Vertical industry integration ensures more than 4500 cycles with 90% DoD
- Compact and fashionable design fits in your modern home environment
- Delivers up to 5KW with single module (2.4KWh)
- Modular design gives end users the power of choice of capacity
- Compatible with most Hybrid inverters currently on the market
- Simple buckle fixing minimizes installation time and cost
- Safety Cert.TÜV CE UN38.3



2 Samantha Street, Strijdom Park,  
Randburg, Johannesburg, 2194  
Tel: (+27) 11 886-7874 | Fax: (+27) 11 787 0178  
sales@sinetech.co.za | sinetechstore.co.za



**SINETECH**  
THE POWER OF CHOICE



**PYLONTECH**

# LITHIUM ENERGY STORAGE SYSTEM

Sample Setup



Hybrid Inverter

( 3 to 5 battery banks require a Low-Voltage Hub)







Batteries



Developed with our own LFP (lithium iron phosphate) cell to ensure the highest safety and most promising cycle life

Self-designed BMS protects cells in all instances such as abnormal temperature, current, voltage, SoC, SoH

Maintenance free and easy installation saves valuable time

Model	US2000B	US3000	ACCESSORIES
Nominal Voltage (V)	48	48	 Cable Pack Connects battery bank to inverter
Nominal Capacity (Wh)	2400	3552	
Usable Capacity (Wh)	2200	3200	
Dimensions (W x D x H mm)	442 x 410 x 89	442 x 420 x 132	
Weight (kg)	24	32	
Discharge Voltage (V)	45~53.5		
Charge Voltage (V)	52.5~53.5		
Charge / Discharge Current (A)	25 (Recommended)	37 (Recommended)	
	50 (Max)	74 (Max)	
	100 (Peak@15s)	100 (Peak@15s)	
Communication Port	Rs232, RS485, CAN		 Battery Rack Mounts
Single String quantity (pcs)	8	12	
Working Temperature / °C	0~50		 Low-Voltage Hub to connect multiple battery banks
Shelf Temperature / °C	-20~60		
Humidity	5% ~ 85%		 Battery Cabinet (includes rack mounts) Various sizes
Altitude (m)	< 2000		
Design Life	10+ Years (25°C)		
Cycle Life	> 4500, 25°C		
Warranty	7 Years		
Authentication Level	TÜV / CE / UN38.3		

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