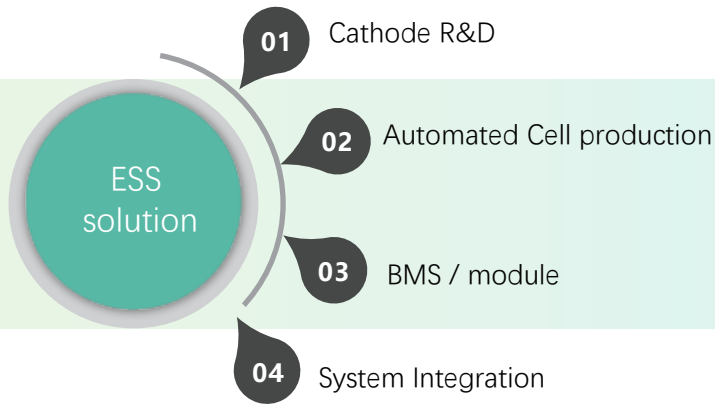




**LOW VOLTAGE ENERGY STORAGE SYSTEM**

**- FOR SMART MICRO ENERGY**

# Vertical industry integration chain



Only **FOCUS** on Energy Storage  
With more than **2.0 GWh** serving  
**120,000+** users. Globally

With most care to your Safty  
Most international safety standard had been done for the cells,module and system



## Advantage



Compact Size for  
Space Saving



Reliable Performance



Vertical industrial  
Chain



95% DOD with  
more usable capacity



10+ years technical proven



Modular design for  
expansion



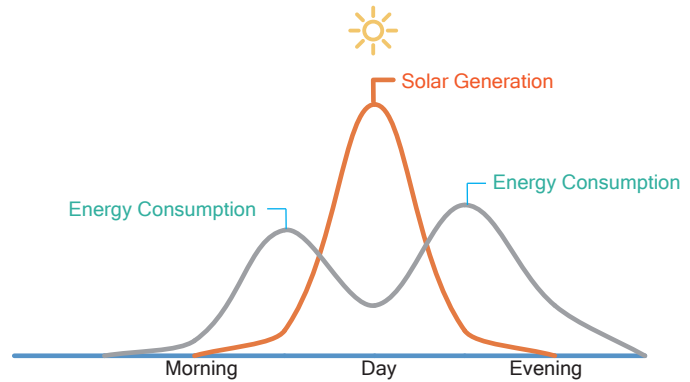
Superior low failure rate



Life span for 10+years

# Why need battery storage system?

**High-efficiency** for your power distribution  
Cut and **save your electricity bills**



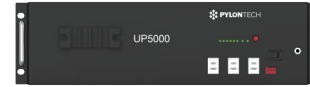
Electricity power occupies more than half of increasing energy consumption in this decade, DER (distributed energy resources) is crucial today during the COVID-19 pandemic while the conventional grid is less reliable because of the less manpower available.

Realize your grid **Independence**

Keep your grid available during  
terrible whether or extreme situation



# Specification



Specification	Basic Parameters	UP5000
<b>Nominal</b>	Nominal Voltage (V)	48
	Nominal Capacity (Wh)	4,800
	Usable Capacity (Wh)	4,560
<b>Physical</b>	Dimension (mm)	442*485*132
	Weight (Kg)	45
<b>Electrical</b>	Discharge Voltage (Vdc)	44.5
	Charge Voltage (Vdc)	52.5 ~ 53.5
	Charge / Discharge Current (Amps)	50 (Recommended)
		75 (Max)
90 (Peak@15s)		
<b>Others</b>	Communication Port	RS485,CAN
	Single string quantity(pcs)	16
	Working Temperature/°C	0~50 Charge
		-10~50 Discharge
	Shelf Temperature/°C	-20~60
	Altitude (M)	< 2000
	IP rating	IP20
	Humidity (RH)	5~95%
	Certification	IEC62619/CE/ UN38.3
	Design life	10+ Years (25°C/77°F)
Cycle Life	>4,500 (25°C)	