

# PHOTON

SOLAR INVERTER AND ENERGY STORAGE

## LITHIUM SOLAR ENERGY STORAGE SYSTEM



5 YEARS PERFORMANCE WARRANTY



5 YEARS REPLACEMENT WARRANTY



SERVICE WARRANTY 10 YEARS



100 % GUARANTEED GRADE A



SLEEK AND DURABLE DESIGN

CHARGING  
YOUR  
FUTUTRE



Proudly Made in  
Pakistan

[www.photonindutsriespvt.com](http://www.photonindutsriespvt.com)

## Lithium Solar Energy Storage System

- Backed by a 5-year replacement warranty and a 5-year performance warranty with up to 80% capacity retention.
- 10-year service warranty ensures long-term reliability and customer support.
- 100% guaranteed Grade A cells for maximum efficiency and performance.
- Features a sleek, durable design that combines aesthetics with functionality.
- Engineered with advanced thermal management to enhance safety and battery life.
- Optimized for solar systems, ensuring seamless compatibility and reliable energy storage.



Parameter	2.6k8s	5.2K16s	10.4K16s
<b>Nominal</b>			
Nominal Capacity (Wh)	2560	5120	10240
Usable Capacity	2400	4800	9600
<b>Physical</b>			
Weight (kg)	29	45	85
<b>Electrical</b>			
Discharge Voltage	23 V	46 V	46 V
Charge Voltage	27.8 V	55.6 V	55.6 V
Charge / Discharge Current	75 Recommended	75 Recommended	200 Recommended
	100 amp max	100 amp max	230 amp Max
<b>Other</b>			
Dimensions (WHD mm)	410*280*170	410*410*170	432*432*257
Communication	RS485,CAN	RS485,CAN	RS485,CAN
Single String Capacity Packs	8	16	16
Working Temperature	Charge 0 to 50 C°	Charge 0 to 50 C°	Charge 0 to 50 C°
	Discharge -10 to 50 C°	Discharge -10 to 50 C°	Discharge -10 to 50 C°
Altitude	<4000	<4000	<4000
IP Rating	IP21	IP21	IP21
Humidity	5 to 95 %	5 to 95 %	5 to 95 %
Certification	IEC62619	IEC62619	IEC62619
Designed Life	10+ Years (25C°)	10+ Years (25C°)	10+ Years (25C°)
Cycle Life	>4500 (25 C°)	>4500 (25 C°)	>4500 (25 C°)
Screen	LCD, Touch Screen	LCD, Touch Screen	LCD, Touch Screen
Breaker	Standard	Standard	Standard
Reset Key	Available	Available	Available
Maintenance Interface	Standard	Standard	Standard

### Battery Management System

For standard Photon lithium battery module, BMS is applied to monitor voltage, current, temperature of cells and module, take protections against over-charge, over-discharge, over-current, over-temperature, undertemperature and short circuit, etc., and provide cell balancing and current limitation during charging process to ensure a reliable safety and excellent performance. Meantime, Photon supply customized upper computer software for BMS communication via RS485 to set parameters or read monitoring data.