

# PHOTON

SOLAR INVERTER AND ENERGY STORAGE

## LITHIUM ION 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 Ion 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
Nominal			
Nominal Capacity (Wh)	2560	5120	10240
Usable Capacity	2400	4800	9600
Physical			
Weight (kg)	29	45	85
Electrical			
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
Other			
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
Humadity	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

The standard Photon lithium battery module is equipped with a Battery Management System (BMS) to monitor cell and module voltage, current, and temperature. The BMS ensures protection against overcharging, over-discharging, overcurrent, overheating, under-temperature, and short circuits. It also facilitates cell balancing and limits current during the charging process to guarantee safety and optimal performance. Additionally, Photon provides customized upper computer software for BMS communication via RS485, allowing users to configure parameters and access monitoring data.