

PB-5160 / 5160

POWER *BANK*

SMART ENERGY STORAGE SYSTEM

30 YEARS
WARRANTY



ADVANTAGES



Hard environment Performance



Safety Iron Phosphate technology



Unlimited Life Cycles



World's lowest ownership cost



Can discharge up to 100%



30 years performance warranty



About POWER *BANK* battery from **Optimus POWER** POWERED BY



Model	PB-5160	PB-51120
Cell chemistry	Iron Phosphate (Nontoxic & Fire safety)	
Usable Capacity	3.1 kWh	6 kWh
Depth of Discharge (DoD)	Up to 100%	
Nominal Voltage	51.2vdc	51.2vdc
Operation Voltage Range	50~54	50~54
Cycle Life	Unlimited life cycle during the warranty period	
Max. Charge/Discharge Current	60A (1C)	120A (1C)
Operating Temperature Range	-10 °C + 50 °C*	
Scalability	Max 16 parallel connection for 48v units	
Compatible inverters	Growatt / Solax Power / Sofar Solar / LXP / Victorian / Goodwe / SMA / Victron / GPK	
Monitoring Parameters	Battery voltage, current, cell voltage, cell temperature	
Communication	CAN and RS485	
Enclosure Protection Rating	IP55	
Round trip efficiency	98%	
System Weight	26 kg	44 kg
Dimension (W x D x H)	400 mm x 260 mm x 166mm	
Certifications & Safety standards	UN 38.3 / UL1642 / UL1973 / TUV (IEC62619) / CE / VDE2510	
Application	On Grid + Backup (Refer to the configuration list) or Off-Grid	
Performance warranty	30 years (After 10,000 cycles it retains its capacity at 70%)	
Product Warranty	30 / 15 years	

