

PL-01

PL-01 is designed for residential and small commercial applications and is equipped with an active balancing BMS. With high cycle times and long service life, it ensures a worry-free power usage experience.



Expansin Flexibility

Up to 15 units in parallel,
5.12KWh-76.8KWh capacity



Safe&Reliable

Short circuit protection, charge and
discharge protection, anti-surge,
SOH health detection



Long Lifespan

LFP cells,6000+ cycles



Easy to install

Support wall-mounted
installation



Compatibility

Communication compatible with
many mainstream inverters



Active Equilibrium

Equipped with active balancing
circuit, longer lifespan

Parameter Specifications

Model	PL-01
Battery Type	LiFePO ₄
Rated voltage	51.2V
Rated capacity	100Ah
Energy	5.12KWh
Charging cut-off voltage	57.6V
Discharge cut-off voltage	43.2V
Internal resistance	≤20mΩ
Charging current	Recommended 50A/Maximum 100A
Discharge current	Maximum 100A
Instantaneous discharge current	150A(1S)
Cycle life	≥6000times (80%DOD @25°C/0. 2C)
Working temperature range	Charge 0~45°C/Discharge -20~60°C
Storage temperature range	-10~45°C
Storage of electric charge	SOC 30%~50%
Self-discharge	≤= 2%/Month
Communication	RS232/RS485/CAN
Bluetooth/WIFI function	Optional
Expand	Up to 15 units in parallel
Compatible with inverter	Solis/Deye/luxpower/Voltronic/Hoymile/Growatt/Goodwe/SMA/Victron/Megarevo etc
Waterproof rating	IP 20
Overall dimensions	L470*W455*H163±2mm
Net weight	43Kg
Certification	UN38.3/MSDS
Installation method	Wall installation/Floor installation