



HLX-PESS-PRO

- Up to 8,000 cycles with a 10-year warranty
- Optional heating system & fire suppression for extreme conditions
- 51.2V low voltage, 16kWh for daily household energy needs
- Auto addressing for seamless expansion
- Wheels & standing foot options available
- Intuitive interface with flexible OTA updates
- Works with hybrid & off-grid inverters

Model	
Cell Type	2~8pcs series per stack, up to 20 stack parallel
Rated Power	16.076kWh
Rated Capacity	314Ah
Rated Voltage	51.2V
Charge Voltage (Vdc)	56.5V
Battery Charge Current (A)	165(max continuous) 170(start limit current to 10A, retest every 10 minutes) 180(peak1 15S), 200(peak2 500ms)
Battery Discharge Current (A)	165(max continuous) 170 (start giving over-current alarm but not stop discharging) 180(peak1 5minutes), 200(peak2 500ms)
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running
IP Level	IP65
Dimension (W*H*D)	475*900*236mm / 18.7*35.4*9.3 in
Weight	125Kg
Communication	CAN/RS485
Robust Applications	Auto-addressing and stronger protection
DOD	90%
Cycles	8000
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20 °C ~ +55 °C
Storage Temperature	-10 °C ~ +35 °C
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty *	10 year, 8000 cycles
Certification	CE; UN38.3; IEC62619
Protection	Over charge/discharge/current/voltage/temperature protection Short circuit protection/Reverse connection protection/ Charge balance/Low SOC protection