



ARKVOLT A1030

Ingenious modular 51.2V/587Ah battery system,
built to save workload and space.



One-Stop ESS Cabinet

- 30kWh high capacity
- Built-in distribution box
- Reserved place for Inverter, MPPT



Flexible Capacity Expansion

- 7.5kWh per pack modular design
- 30kWh expandable cabinet
- Parallel up to 960kWh



Leading Safety & Reliability

- Grid-proven 587Ah LFP cells
- 8000 cycles lifespan
- Low heat production



Installation friendly Modular design

- Slide-in quick plug system
- Easy to handle and transport
- Optional heating function

PRODUCT DETAILS

Model	HPC-30LV-44U 【ARKVOLT AIO30】
Battery Type	LiFePO ₄
Battery Energy	30054.4Wh
Cell Capacity	587Ah
Battery Cycles	≥8000 @25°C, @0.5C, @90%DOD, @70%EOL
Rated Voltage	51.2[VDC]
Charge Voltage Range	43.2~58.4[VDC]
Discharge Voltage Range	43.2~58.4[VDC]
Recommend Charge/Discharge Current	300A max
Maximum Charge/Discharge Current	300A max
Depth of Discharge (DoD)	100%
Charge Mode	CC-CV
Built-in Communication Ports	CAN/RS485/WIFI
Display	LED
Scalability	Up to 32 batteries in parallel
Ingress Protection Level	IP20
Protection	Over Temperature/Under Temperature/Over Charge/ Over Discharge/Over Current/Short Circuit/Reverse Connection/Failure
Operating Temperature	Charging: 0°C~55°C Discharging: -20°C~55°C
Storage Temperature	-20°C~60°C
Humidity	10%~90%
Net Weight/Dimensions	Approx. 600kg L600*W630*H1900mm
Certification	CE, IEC62619, IEC62040, UN38.3, MSDS, RoHS, REACH

*The above is for reference only, the specification sheet shall prevail.

