

Knight Series Battery PACK

16 kwh Pack Module



High-Efficiency Energy Storage

16 kWh LiFePO₄ battery, 93.5% round-trip efficiency, 90% depth of discharge



Powerful Performance

157 A continuous charge/discharge current, 8038 W high power output



Reliable & Durable

EVE cells + IP21 protection + 5-year warranty, full international certifications



Flexible Deployment

supports up to 10 parallel units, easy installation



Smart Temperature Control

Stable operation from 0°C to 50°C, real-time BMS monitoring



Battery Model	H-PACK-16
Genenral Parametersl	
Battery Type	LFP (LiFePO4)
Cell Brand	EVE
Energy Capacity	16 kWh
Usable Capacity	14.4 kWh- discharge capacity from 100% to min SoE
Recommend Depth of Discharge	90%
Norminal Voltage	51.2 V
Operating Voltage Range	44.8 ~ 57.6 V
Battery Pack Round-Trip Efficiency	93.5%
Weight	128 kg
Dimensions(WxHxD)	725 x 624 x 340 mm (including casters)
IP Protection	IP21
Warranty	5 Year Product Warranty
Operation	
Max. Continuous Charging Current	157 A (Single Battery Pack)
Max. Continuous Charging Power	8038 W
Max. Continuous Disharging Current	157 A (Single Battery Pack)
Max. Continuous Disharging Power	8038 W
Operating Temperature Range	-10°C to 50°C (Charging with heating film); -10°C to 50°C (Discharging)
Cooling Type	Fan Cooling
Humidity	0 ~ 95% (No condensation)
BMS	
Communication	CAN; RS-485
Monitoring Parameters	System Voltage, Current, Battery Voltage, Battery Temperature, PCBA Temperature Measurement
Certificate	
Safety and Transportation	Pack: IEC/EN 62619; IEC 62040; IEC 62477; UN38.3 Cell: IEC/EN 62619; UN38.3; UL1973