Battery series



KT25.6V-314AH

25.6V 314Ah | 8.038 kWh

HOME BACKUP | SOLAR SELF-CONSUMPTION | OFF-GRID

1. **Safe LiFePO4 Chemistry**
   Stable lithium iron phosphate cell system.
2. **Grade A 314 Ah Cells**
   8 × 3.2 V 314 Ah Grade A LiFePO4 cells.
3. **High Current Capability**
   200 A rated charge and discharge current.
4. **Scalable Storage**
   Supports up to 16 battery units in parallel.
5. **Smart Communication**
   CAN and RS485 communication interfaces.
6. **Long Cycle Life**
   6,000 cycles at 25°C, 50 A and 80% DOD.

Parameters

Items	KT25.6V-314AH
Rated Energy	8.038 kWh
Nominal Voltage	25.6 V
Nominal Capacity	314 Ah / 8,038 Wh
Cell Type	LiFePO4
Cell Configuration	1P8S
Cell Details	8 × 3.2 V 314 Ah Grade A LiFePO4 Cells
Working Voltage Range	21.6-29.2 V
Rated Charge / Discharge Current	200 A at 25 ± 2°C
Maximum Charging Current	200 A at 25 ± 2°C
Maximum Discharge Current	200 A at 25 ± 2°C
Communication Interface	CAN / RS485
Parallel Operation	Up to 16 Units
Cycle Life	6,000 Cycles at 25°C, 50 A, 80% DOD
Charging Temperature	0-40°C
Discharging Temperature	-20-40°C
Humidity	5-95%
Altitude Limit	0-3,000 m
Battery Pack Size	445 × 275 × 700 mm
Net Weight	67 kg

Specifications are subject to confirmation in the final sales contract.