DAZUKI

16.08kWh STACKABLE BATTERY PACK

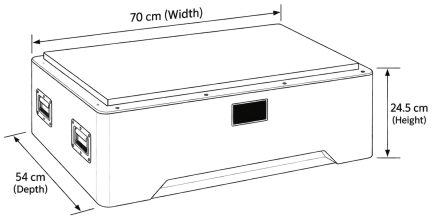
MODULAR HOME ENERGY STORAGE SYSTEM



16.08-482.4kWh

FLEXIBLE. SAFE. SMART.

Designed for residential and small commercial energy storage. Supports up to 30 units in parallel, expanding total nominal energy from 16.08kWh to 482.4kWh. A 51.2V 314Ah LiFePO4 system with RS485/CAN communication provides dependable everyday power.



Precise Dimensions

16 x 314Ah LFP Cells

16S1P configuration; nominal voltage 51.2V and nominal energy about 16.08kWh

8,000 Cycles

Cell specification: 8,000 cycles at 0.5C/0.5C, 25±2°C and ≥70% initial capacity

Flexible Expansion

Up to 30 units in parallel.
16.08kWh-482.4kWh total nominal energy

Wide Temperature Range

Cell charge 0-65°C; discharge -35-65°C

BMS & Communication

Protection integration with RS485/CAN communication interfaces

ITEM	ONE UNIT
Model	DC-51.2V314Ah-16S
Battery Chemistry	LiFePO4 (Lithium Iron Phosphate)
Nominal Voltage (V)	51.2 (16S x 3.2V)
Nominal Capacity (Ah)	314
Nominal Energy (kWh)	≈16.08
Cell Model	IFP71173207-314Ah
Cell Configuration	16S1P
Cell Size (mm)	173.5±0.8 x 72.8±0.8 x 207.2±0.8
Cell Weight (kg)	5.6±0.3
Cell AC Internal Resistance	≤0.5 mΩ
Cell Operating Voltage	2.50-3.65 V
Pack Working Voltage Range	40.0-58.4 V
Fast Continuous Cell Charge Current	157 A (0.5C)
Maximum Continuous Cell Discharge Current	314 A (1.0C)
Communication	RS485 / CAN
Cell Cycle Life	8,000 cycles; 0.5C/0.5C at 25±2°C; ≥70% initial capacity
Cell Working Temperature	Charge 0-65°C; Discharge -35-65°C
Pack Dimension (mm) (W x D x H)	700 x 540 x 245 (Height excludes raised top cover)
Approx. Cell Mass Only	≈89.6 kg; enclosure/BMS excluded
Protection Functions	Over/under-voltage, over-current, short-circuit, over-temperature, balancing
Maximum Parallel Units	30
Expandable Nominal Capacity (Ah)	314-9,420
Expandable Nominal Energy (kWh)	16.08-482.4
Certification & Safety Standard	UN38.3 / CE-EMC / IEC62619 / CE-RED
Compatible Inverters	SMA / Schneider / Victron Energy / Ingeteam / Solis / GoodWe / Growatt / Solplanet / Luxpower / DEYE etc.

Note: Cell-level electrical, dimensional, temperature, internal-resistance and cycle-life values are based on the supplied 314Ah cell.