Tanami HV

High-Voltage Lithium Battery Storage

Powered by **Great Power**



72.6 kWh
Per cabinet · up to 9 modules

8.06 kWh
Per module · 76.8 V

105 A
Continuous · 1C

16
Systems in parallel

Battery Specifications

Tanami-HV

Six to nine 8.06 kWh LiFePO4 modules in series under one PDU; monitored through AERL Cloud.

System

Model	**Tanami-HV**
Configuration	**1 × Tanami-PDU + 6–9 × Tanami-M8.06 in series**
Nominal energy	**48.38–72.58 kWh**
Nominal voltage	**460.8–691.2 V DC**
Operational voltage range	**360–788 V DC**
Max. continuous charge / discharge	**105 A (1C), 105 Ah**
Peak current	**150 A (5 s)**
Round-trip efficiency	**≥ 95%**
Arc flash	**AS/NZS 5139; PSCC from AERL**

Module specifications · Tanami-M8.06

Energy · cells	**8.06 kWh · LiFePO4 prismatic**
Nominal voltage	**76.8 V DC**
Operating voltage range	**60–87.6 V DC**
Dimensions (W × H × D)	**490 × 135 × 786 mm**
IP rating · weight	**IP20 · 65 kg**
Power distribution unit	**Tanami-PDU: 200–1000 V DC, 150 A, MCB and BMS**

Environmental

Operating temperature	**Charge: −10 to 55 °C Discharge: −20 to 55 °C**
Operating humidity	**Up to 95% (non-condensing)**
Altitude	**≤ 3000 m**

Enclosures

Indoor rack · IP20	**Tanami-RACK9 (6–9 modules): 564 × 1773 × 783 mm**
Outdoor cabinet · IP55	**Tanami-CAB9-OUTD (9 modules): 780 × 1980 × 1300 mm**
Cabinet cooling / supply	**Air-conditioning; 230 V AC, 50 Hz**

System & communications

Communications	**CAN, RS485, Modbus RTU/TCP**
Monitoring	**AERL Cloud**
Compatible inverters	**Solinteg, Solis, Deye**
Warranty	**Module, PDU 10 yr; enclosure 2 yr***
Certifications	**IEC 62619, UN 38.3, CE, VDE-AR-E 2510-50, IEC 62040-1; cabinet EN ISO 13849-1**

System configurations

Modules	6	7	8	9
Nominal energy (kWh)	**48.38**	**56.45**	**64.51**	**72.58**
Nominal voltage (V)	**460.8**	**537.6**	**614.4**	**691.2**
Operating voltage (V)	**360–526**	**420–613**	**480–701**	**540–788**
Weight in enclosure (kg)	**495**	**560**	**625**	**690 / 1050**

Monitored by AERL Cloud System data, alarms and firmware updates through AERL Cloud.

Scalable 6–9 modules per system; up to 16 systems in parallel.

Indoor or outdoor IP20 indoor rack, or IP55 outdoor cabinet with air-conditioning.

Black start Starts an off-grid inverter from the battery.

LiFePO4 LiFePO4 chemistry housed in a robust prismatic cell construction.

Easy installation Quick plug-and-play connections save time on site.

Safety certified VDE-AR-E 2510-50 and IEC 62619.

Open communications CAN, RS485 and Modbus to the inverter or EMS.

Warranty 10-year 70% warranty on modules and PDU; 2 years on enclosures. (Conditions apply)

Supplied and supported by

AERL · 1/75 Bluestone Circuit
Seventeen Mile Rocks QLD 4073

Cells

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