

The logo for Ampaura Australia, featuring the word "AMPAURA" in a bold, white, sans-serif font, followed by "AUSTRALIA" in a smaller, white, sans-serif font.

Ampaura Vast series 30kW/63kWh AI-in-one C&I Energy Storage System



Product Features

- The equipment with a high protection rating can be installed indoors or outdoors.
- Adopting high-quality battery cells and components.
- All-round safety protecting with a complete fire suppression system.
- Support two installation methods, forklift handling and installation as well as top hoisting.
- Support remote troubleshooting and system software optimization.
- The energy storage system can be expanded by connecting additional battery packs, resulting in 79kWh, 95kWh or 111kWh battery capacity.

	Item	Specification
Cell Parameters	Rated Voltage (V)	3.2
	Rated Energy (Ah)	206
	Cell Type	LFP
	Cycles	>6000(25 °C ,0.5C charge/0.5C discharge, 90%DOD, 80%SOH)

Product Specifications

	Item	Specification
Battery Pack Parameters	Rated Voltage (V)	77.28
	Rated Energy (kWh)	15.9
	Cell Configuration	1P24S
	Dimension (W*H*D) mm	464*230*880
	Cooling Method	Air-cooled
	Weight (kg)	130
	IP Rating	IP20
Battery Cabinet Parameters	Rated Voltage (V)	309
	Voltage Range (V)	268.8~345.6
	Cluster Configuration	1P24S-4S
	Rated Charge/Discharge Current (A)	103
	Max. Charge/Discharge Current (A)	200
	Rated Energy (kWh)	63.6
	HV BOX Voltage (V)	1000
	Thermal Management	Air conditioner
	Fire Suppression System	Heat Detector + Smoke Detector + Aerosol
	Cabinet IP Rating	IP54
	Cabinet Corrosion Protection Level	C3
	Working Temperature (°C)	-20~+55
	Storage Temperature (°C)	-20~+45
	Humidity	0~95%RH (No condensation)
	Altitude(m)	≤3000
	Weight	910kg
	Dimension without inverter installed (W*H*D) mm	70*2110*1167
	Dimension with inverter installed (W*H*D) mm	102*2110*1167

Product Specifications

	Item	Specification
PV Input Specifications	Max. Input Power (kW)	45
	Start-Up Voltage (V)	135
	Rated DC Input Voltage (V)	620
	MPPT Voltage Range (V)	200-950
	No. of MPP Trackers	4
	No. of DC Inputs per MPPT	2
	Max. Input Current (A)	30×4
	Max. Short-circuit Current (A)	40×4
Grid Side AC Output Specifications	Rated Output Power (kW)	30
	Max. On-Grid Output Apparent Power (kVA)	33.0/30.0 ⁿ
	Max. Charging Power of Batter (kW)	30
	Rated AC Voltage (V)	3L/N/PE; 220/380V; 230/400V; 240/415V
	Rated AC Frequency (Hz)	50/60
	Max. Output Current (A)	50.0/43.5 ⁿ
	Power Factor	0.8leading~0.8lagging
	Max. Total Harmonic Distortion	<3% @ Rated Power
	DCI	<0.5%In
Back-up Side AC Output Specification	Rated Output Power (kW)	30
	Max. Off-grid Output Apparent Power (kVA)	33
	Max. Output Current (A)	50
	UPS Switching Time	<20ms
	Rated Output Voltage (V)	3/N/PE; 220/380V; 230/400V; 240/415V
	Rated Output Frequency (Hz)	50/60
	Voltage Harmonic Distortion	<3% @ Linear load

Product Specifications

	Item	Specification
Inverter Efficiency	Max. Efficiency	98.8%
Hybrid Inverter Protection Functions	DC Reverse Polarity Protection	Integrated
	Battery Input Reverse Connection Protection	
	Insulation Resistance Protection	
	Surge Protection	
	Over-temperature Protection	
	Residual Current Protection	
	Islanding Protection	
	AC Over-voltage Protection	
	Overload Protection	
	AC Short-circuit Protection	
Hybrid Inverter Comment Specifications	IP Rating	IP65
	Standby Self-consumption (W)	<15
	Cooling Method	Smart Fan
	Noise Level (dB)	<50
	Display	OLED & LED
	Communication	CAN, RS485, WiFi/4G (Optional)
Remark	<p>* The maximum DC input voltage is 1000V and the maximum DC working voltage is 950v.</p> <p>* * Maximum grid input power refers to the maximum power that can be drawn from the grid,including the supply to off-grid loads and battery charging.</p> <p>* * * The rated output power can only be exceeded when the energy on the DC side is sufficient.After exceeding the rated output power, a short overload can occur, and the duration of the overload is related to the overload power.</p> <p>* * * * 1)AS 4777.2:30.0KVA 2)AS 4777.2:43.5A</p>	
Certification & standard	IEC/EN 62109-1IEC/EN 62109-2IEC62040 AS/NZS 4777.2:2020 CEC IEC/EN 62477 IEC/EN 62477 IEC/EN 62619;UN38.3	