

Ampaura Vast series outdoor 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.

AMPAURA VAST

30kw-B63

30kw-B79

30kw-B95

BATTERY

Norminal capacity (kWh)	63	79	95
Rated DC voltage (V)	307.2	384	460.8
DC voltage range (V)	268~346	336~432	403~519
Charge / discharge rate		0.5P	
Battery technology		LiFePO4	
Battery pack structure		1P24S	
Cooling		Air conditioner	
BMS		Integrated	

PCS

Battery voltage range (Vdc)		135~750	
Rated DC power (kW)	30.00	30.00	30.00
Maximum charging/discharge current (A)	100.00	100.00	100.00
Rated AC power (kW)	30.00	30.00	30.00
Rated AC current (A)	43.00	43.00	43.00
AC Rated voltage (Vac)		380/400/415	
AC line frequency (Hz)		50/60	

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Back-up Side

Rated output power (kW)	30.00	30.00	30.00
Max. output apparent power(kVA)	33.00	33.00	33.00
Max. output current (A)	50.00	50.00	50.00
On/Off-grid switching time		<20ms	

Generator Side

Max. input apparent power (kVA)	36.00	36.00	36.00
Max. charging power of battery (kW)	30.00	30.00	30.00
Max. input current (A)	52.20	52.20	52.20

PV INPUT

Max. input power (kW)	45.00	45.00	45.00
Max. numbers of MPPTS		4	
Number of DC inputs per MPPT		2	
MPPT voltage range (V)		200~850	
Start-up voltage (V)		135.00	
Rated DC input range (V)		620.00	
Max. input current (A)		30*4	

ENERGY MANAGEMENT SYSTEM

EMS	Integrated
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COMMUNICATION

Communication protocol	CAN, RS485, WiFi/LAN (Optional)
Cloud	Yes
APP	Yes

OPERATION

Relative operating humidity	0~95%RH(No-condensation)
Operating temperature range	-20~45°C
Operating altitude	≤3000m

DIMENSIONS

Dimensions (W * H * D)	700*2200*1318 (without inverter) 1024*2200*1318 (with inverter)		
Weight (kg)	1022	1142	1262

SAFETY/STANDARDS

Protection	IP54(Inverter IP67)
Corrosion-proof grade	C3
Safety features	a. Smoke Detection b. Temperature Detection c. Aerosol Fire Extinguish

Certification

IEC/EN 62109-1/2;IEC62040 ;AS/NZS 4777.2:2020;
CEC IEC/EN 62477 ;IEC/EN 62619;UN38.3