

## 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

#### 50kw-B111

#### BATTERY

Norminal capacity (kWh)	111
Rated DC voltage (V)	537.6
DC voltage range (V)	470~605
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)	50.00
Maximum charging/discharge current (A)	100.00
Rated AC power (kW)	50.00
Rated AC current (A)	72.00
AC Rated voltage (Vac)	380/400/415
AC line frequency (Hz)	50/60

# AMPAURA VAST

50kw-B111

## Back-up Side

Rated output power (kW)	50.00
Max. output apparent power(kVA)	55.00
Max. output current (A)	83.00
On/Off-grid switching time	<20ms

## Generator Side

Max. input apparent power (kVA)	60.00
Max. charging power of battery (kW)	50.00
Max. input current (A)	87.00

## PV INPUT

Max. input power (kW)	75.00
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
-----	------------

## 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)	1382

## 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