

# Residential Energy Storage Battery Cabinet



# Outdoor Cabinet ESS



## > APPLICATION AREA



Nomadic farm



Luxury villa



Communication base station



Residential

## > KEY STRENGTHS



Easy installation, simple connection.



Compatible with CANbus/RS485 communication interface.



Support battery expansion.



System cycle life  $\geq 10$  years.

## > APPLICATION AREA



C&I user side



Power shortage areas



Off-grid island



Off-grid mine



Nomadic farm

## > KEY STRENGTHS



Simple structure, small footprint, flexible layout, easy installation operation and maintenance.



Built-in fire control, temperature control, system warning function for multiple security.



Intelligent control system, can be connected to the local monitoring system for system control.

## Technical specification:

Model	E072B048	E144B048
Total energy (kWh)	2.4/4.8/7.2	9.6/12/14.4
Nominal voltage (V)		48
Designed life (°C/°F)		$\geq 10$ years (25/77)
Storage temperature (°C)		-10 ~ +60
Max. working altitude (m)		<4,000
Relative humidity		10%~90%
Installation		GT-XL
Ingress protection		IP21
Net Weight (kg)	32	48
Dimension W*D*H (mm)	580*350*680	580*350*1,200
Certificates		CE

## DC data

Technical specification	
Battery capacity (kWh)	100~200
Number of battery racks	1~2
BMS communication interface	RS485/CAN
DC voltage range(V)	420~850

## General Data

Technical specification	
Ingress protection	IP54
Fire extinguishing system	Support
Operating temperature (°C)	-30~ 55
Dimension W*D*H (mm)	Customization*1,300*2,400
Net Weight (kg)	Customization
BMS communication mode	CAN, RS485
EMS communication mode	RS485, TCP/IP
PCS cooling way	Temperature control intelligent air cooling
Battery cooling way	Air conditioning cooling
Operating altitude	4,500m (>3,000 Derating)

## AC data

Technical specification	
Rated AC power(kW)	30~150
Max. AC power(kW)	30~150
Rated AC current(A)	43~216
Max. AC current(A)	48~238
DC current component	<0.5%
THDi	<3% (Rated power)
Rated grid voltage(V)	400
Allowable grid voltage range(V)	320~460
Rated grid frequency(Hz)	50/60
Allowable grid frequency range(Hz)	45~55/55~65
Power factor	1lagging-1leading
Isolation method	With the isolation