



Residential BESS

Rack Mounted Type-LV



Safety

Multi-protection from self developed BMS



Optimal Electricity Cost

Long cycle life and superior performance



Compact Size & Easy Installation

Module design helps for quick installation



Easy to scale up

Be workable to be parallel based on 48V



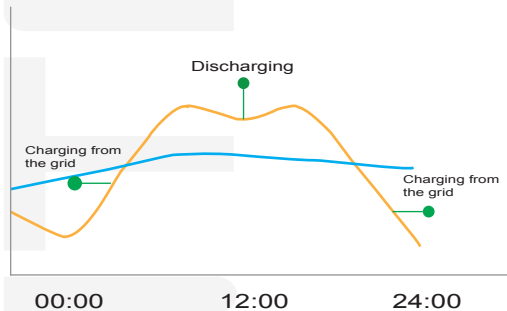
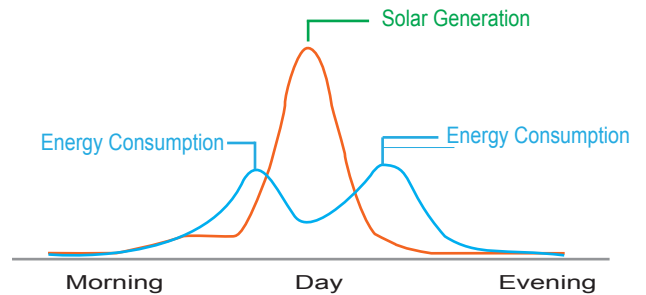
Compatibility

Compatible with most of main inverter brands

How to save bill from Residential ESS?

1. Self-Consumption Optimization

High energy demand in the morning and evening but solar generation is the most sufficient during the mid-day. Battery storage system balances the feeding and demands. Realize your grid independence.



2. Benefits from peak shaving

House: Load Shifting

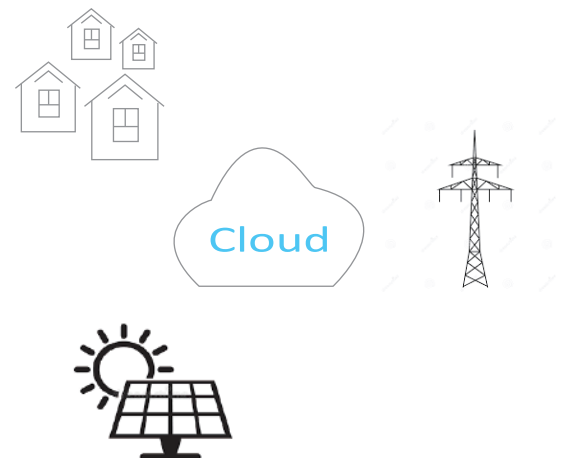
Store the power during low-peak and use the energy at peak time. Save the money which happens arising from peak rate.

Transmission & Distribution: Peak Shaving

Save on the electricity bills by reducing peak demand.

3. Virtual Power Plant Revenue

VPP creates a network of renewable energy sources and battery storage systems, connected through a cloud based technology that manages the stability of clean electricity to maximize your revenue.



Enabling a cost reduction, as well as boosting the system's efficiency

SPECIFICATION (48V)

Model No.

FTRB48100R01

Appearance



Basic Parameters

Nominal Voltage(Vdc)	48
Nominal Capacity(Wh)	4800
Usable Capacity(Wh)	4550
Dimension(mm)	442x510x177mm(Handles,terminals,lugs EXCLUDED)
Weight(kg)	45.2
Charge/Discharge Current(A)	(Recommend) 20 (0.2C) (Max. Continuous) 100 (Peak 1) 101-120@10min (Peak 2) 121-200@10ms
Communication Port	RS485,CAN
Single String Quantity(pcs)	16
Working Temperature/°C (Charge)	0-45
Working Temperature/°C (Discharge)	-10-60
Shelf Temperature/°C	-20-60
Short current/duration time	<2000A/1ms
IP rating of enclosure	IP20
Cooling type	Natural
Humidity	65% (RH) No Condensation
Altitude(M)	<3000
Design life	15+ Years (25°C/77°F)
Cycle life	>4000 (DoD 80%,25°C)
Compatible Inverter brands	Schneider,INVT,Pylon,Goodway,Voltronic,Deye,SMA,Studs,Growatt,Victron,Kstar,Sofar,etc

* The recommended and max continuous operation current is for a battery cell temperature within 10-40 °C to consider out of such temperature range will cause a derating on operation current.

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