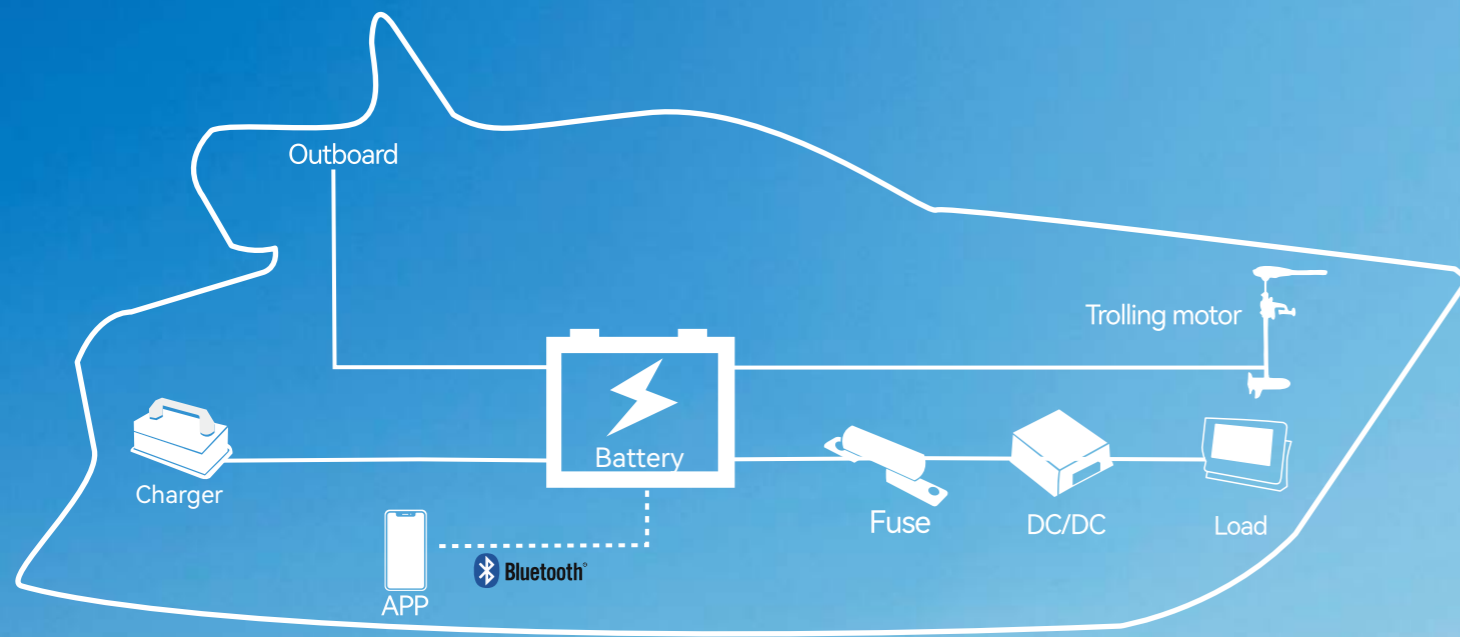
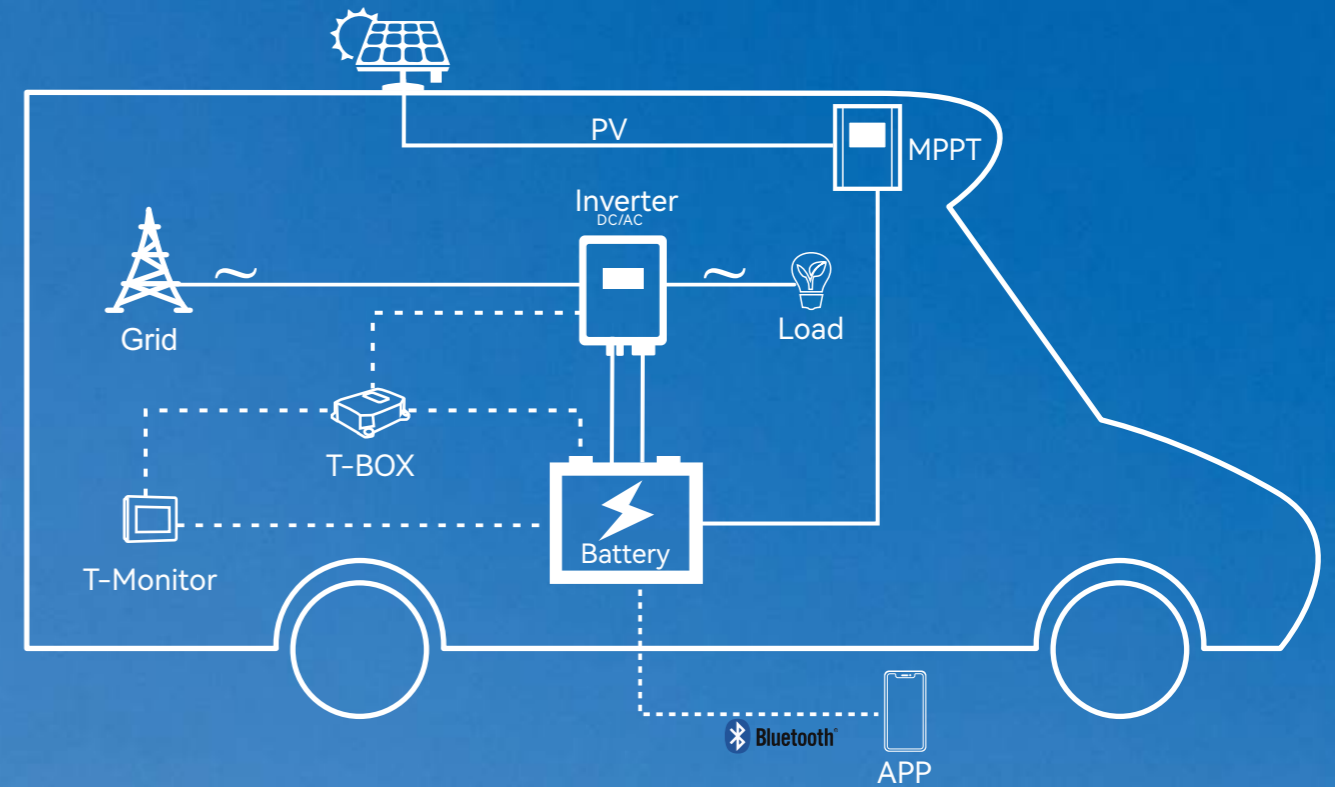


MARINE SYSTEMS



RV SYSTEMS



T-Monitor (optional)

T-monitor is an indicating instrument based on RS485 communication, which can display the system information through communication with the battery system suitable for T-premium battery. It can connect T-premium battery directly or via T-BOX. It's optional to select different protocol via T-BOX.

Rated input voltage: 9V-60V
 Rated Power: < 5W
 Operating current maximum: 170mA (VCC=12V)
 Operating current minimum: 55mA (VCC=12V)
 Resolution: 800*480
 Protective level: IP65 (Front)
 Communication: RS485
 Operating temperature: -20~70°C
 Storage temperature: -30~80°C
 Operating humidity: 10%-90%RH
 Net weight: 340g
 Type: LCD
 Size: 5 Inch



T-BOX (optional)

T-BOX is a device that can obtain battery system information and select different inverter protocols via Bluetooth APP or T-Monitor. It communicates with the T-Premium via CAN to summarize the battery system information, and it communicates with the inverter via CAN, RS485, or LIN (for CI-BUS).

Rated input voltage: 9V-60V
 Rated power: < 0.3W
 Operating current maximum: 20mA (VCC=12V)
 Operating current minimum: 6mA (VCC=48V)
 Communication: RS485/CAN/LIN (For CIBUS)
 Protective level: IP65
 Operating temperature: -20~70°C
 Operating humidity: 5%-95%RH
 Dimensions: 117*100*34.6mm





T-Premium Series

SAFETY

- Pack: UN38.3, CE, IEC62619, IEC62133, E-Mark, UL1973
Cell: UN38.3, UL9540A, IEC62619
- Waterproof IP67, with safety valve
- Insulated enclosure to prevent short circuit

FLEXIBLE

- Support up to 4 batteries in series to form a 48V system
- Support 4 batteries in series and parallel at the same time
- Up to 16 batteries can be connected in parallel

INTELLIGENT

- Support Bluetooth APP, APP support customization
- Communication modes: CAN/RS485. can be compatible with mainstream inverters
- On/off switch, LED indicator, check the SOC of the battery
- Cloud platform OTA, Bluetooth upgrade BMS firmware

RELIABLE

- Independent charge and discharge protection
- Intelligent BMS management includes protection functions for high/low voltage, high/low temperature, overload, and short circuits
- Support low temperature heating, can charge at temperatures down to -20°C(-4°F)

Model	R-T12100B	R-T12120B	R-T12200B	R-T12300B
Nominal voltage	12.8V			
Nominal energy@0.2C	1280Wh	1536Wh	2560Wh	3840Wh
Nominal capacity@0.2C	100Ah	120Ah	200Ah	300Ah
Internal resistance@1khz AC	≤30mΩ			
Allowed MAX. charge current	100A @25°C	100A @25°C	200A @25°C	300A @25°C
Allowed MAX. discharge current	150A @25°C	150A @25°C	200A @25°C	300A @25°C
Recommend charge current	50A	50A	100A	150A
Recommend discharge current	100A	100A	100A	150A
Peak/Surge current limit	500A@3s	500A@3s	800A@5s	1000A@5s
Short circuit protection	1000A@500μs	1000A@500μs	1200A@500μs	1200A@500μs
Charge voltage	14.2V			
Floating voltage	13.8V			
End of discharge	11.2V			
Communication	Bluetooth, CAN and RS485			
IP rating	IP67			
Cycle life	≥6000 cycles, @25°C, @0.2C, @80%DOD			
Weight	≈12kg (26.6 lbs)	≈14.0kg (30.8 lbs)	≈23kg (50.81 lbs)	≈37.5kg (82.7 lbs)
Dimensions(W*H*D)	308*168*211mm (12.1*6.6*8.3 inch)	308*168*211mm (12.1*6.6*8.3 inch)	485*172*231mm (19.0*6.7*9.0 inch)	500*265*231mm (19.6*10.4*9.0 inch)
Parallel and series connection	Support Max. 16 in parallel or Max. 4 in series			
Terminal and torque	M8 bolt 8-10N·M			
Operation altitude	< 3000m			
Operation temperature	Charge -20~60°C (-4°F ~ 140°F) , Discharge -20~60°C(-4°F ~ 140°F)			
Self-discharge rate(shutdown)	≤3% Per month			
Recommended storage temperature	-10°C ~ 40°C (14°F ~ 104°F)			
Recommended humidity	5 ~ 85%RH			
Certifications	Pack: UN38.3, CE, IEC62619, E-Mark, UL1973, IEC62133 Cell: UN38.3, UL9540A, IEC62619			



T-Premium Series

SAFETY

- Pack certifications: UN38.3, CE, E-Mark, UL1973
Cell certifications: UN38.3, UL9540A, IEC62619
- Waterproof IP67, with safety valve
- Insulated enclosure to prevent short circuit

FLEXIBLE

- Up to 16 batteries can be connected in parallel

INTELLIGENT

- Support Bluetooth APP, APP support customization
- Communication mode: CAN/RS485. can be compatible with mainstream inverters
- On/off switch, LED indicator, check the SOC of the battery
- Cloud platform OTA, Bluetooth upgrade BMS firmware

RELIABLE

- Independent charge and discharge protection
- Intelligent BMS management includes protection functions for high/low voltage, high/low temperature, overload, and short circuits
- Support low temperature heating, can charge at temperatures down to -20°C(-4°F)

Model	R-T2460A	R-T24100B	R-T36100B
Nominal voltage	25.6V	25.6V	38.4V
Nominal energy@0.2C	1536Wh	2560Wh	3840Wh
Nominal capacity@0.2C	60Ah	100Ah	100Ah
Internal resistance@1khz AC	≤30mΩ	≤30mΩ	≤30mΩ
Allowed MAX. charge current	60A @25°C	100A @25°C	100A @25°C
Allowed MAX. discharge current	80A @25°C	120A @25°C	120A @25°C
Recommend charge current	30A	50A	50A
Recommend discharge current	40A	100A	100A
Peak/Surge current limit	200A@3s	500A@3s	500A@3s
Short circuit protection	800A@500μs	1200A@500μs	1200A@500μs
Charge voltage	28.4V	28.4V	42.6V
Floating voltage	27.6V	27.6V	41.4V
End of discharge	22.4V	22.4V	33.6V
Communication	Bluetooth, CAN and RS485		
IP rating	IP67		
Cycle life	≥6000 cycles, @25°C, @0.2C, @80%DOD		
Weight	≈14kg (30.8 lbs)	≈23kg (50.7 lbs)	≈37.5kg (82.7 lbs)
Dimensions(W*H*D)	308*168*211mm (12.1*6.6*8.3 inch)	485*172*232mm (19.0*6.7*9.1 inch)	500*265*232mm (19.6*10.4*9.1 inch)
Parallel and series connection	Support Max. 16 in parallel		
Terminal and torque	M8 bolt 8-10N·M		
Operation altitude	< 3000m		
Operation temperature	Charge -20~60°C (-4°F ~ 140°F) , Discharge -20~60°C(-4°F ~ 140°F)		
Self-discharge rate(shutdown)	≤3% Per month		
Recommended storage temperature	-10°C ~ 40°C (14°F ~ 104°F)		
Recommended humidity	5 ~ 85%RH		
Certifications	Pack: UN38.3, CE, E-Mark, UL1973 Cell: UN38.3, UL9540A, IEC62619		