



BMS-Parallel Box-II G2



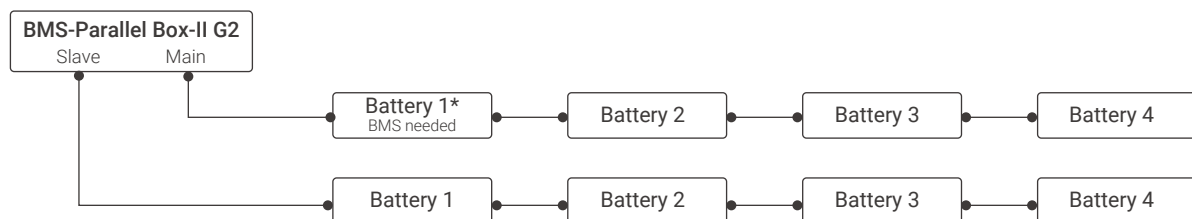
Reliable Performance

- Easily expand Capacity
- Extend battery lifespan



Flexible Adaptability

- Support two-column parallel connection
- Support T-BAT-SYS-HV-3.0, T-BAT-SYS-HV-5.8



Notes:

1. Battery 1 & 2 & 3 & 4 may refer to HV11550 or HV10230.
2. Battery 1 & 2 & 3 & 4 models are required to be the same
3. As for Battery 1*, a BMS is necessary, that is, T-BAT H 5.8 for T58, MC0600 + HV10230 for T30

BMS-PARALLEL BOX-II G2

ENVIRONMENT REQUIREMENT				
Input / Output voltage range	70 ~ 550 V			
Standard power	11.5 kW			
Maximum power	16.1 kW			
Operating charge / discharge temperature range ^①	T-BAT-H 3.0: -30 ~ 55°C (with heating function) -10 ~ 55°C (no heating function) T-BAT H 5.8: 0 ~ 55 °C (no heating function)			
Storage temperature ^②	-30 ~ 80°C			
Relative humidity	5 ~ 95% (non-condensing)			
Altitude	3000 m			
Protection	IP65			
COMMUNICATION				
System to inverter	CAN + RS485			
Battery to battery / BMS	T30: CAN / T58: RS485			
Master control LED indicator working mode	1 LED			
Master control capacity indicator	2 x 4 LED (25%, 50%, 75%, 100%)			
Battery module LED	2 LED			
Switch on / off	Button x 1 + breaker x 1			
CERTIFICATION				
Safety	IEC / EN 62477-1, IEC / EN 61439-1, IEC / EN 61439-2			
EMC	EN 61000-6-1 / 2 / 3 / 4			
GENERAL				
Dimensions (W x H x D)	368 x 334 x 153.5 mm			
Weight	8.7 kg			
Expected life	5 years			
NOMINAL CHARACTER (BATTERY SYSTEM)				
Overvoltage category (OVC)	II			
Protective class	I			
Recommend charge / discharge current	25 A			
Max. charge / discharge current	35 A			
SYSTEM ONE (T58 PACK)				
	TP 5.8 G2	TP 5.8 G2	TP 5.8 G2	TP 5.8 G2
Nominal voltage	115.2 V	230.4 V	345.6 V	460.8 V
Operating voltage	100 ~ 131 V	200 ~ 262 V	300 ~ 393 V	400 ~ 524 V
Total capacity	11.5 kWh	23 kWh	34.6 kWh	46.1 kWh
Usable capacity ^③	10.3 kWh	20.7 kWh	31.1 kWh	41.4 kWh
Nominal power	2.8 kW	5.7 kW	8.6 kW	11.5 kW
Max. power ^④	4.0 kW	8.0 kW	12.0 kW	16.1 kW
SYSTEM TWO (T30 PACK)				
	TP 3.0 G2	TP 6.0 G2	TP 9.0 G2	TP 12.0 G2
Nominal voltage	102.4 V	204.8 V	307.2 V	409.6 V
Operating voltage	90 ~ 116 V	180 ~ 232 V	270 ~ 348 V	360 ~ 464 V
Total capacity	6.1 kWh	12.3 kWh	18.4 kWh	24.6 kWh
Usable capacity ^③	5.5 kWh	11.0 kWh	16.5 kWh	22.1 kWh
Nominal power	2.5 kW	5.1 kW	7.6 kW	10.2 kW
Max. power ^④	3.0 kW	6.1 kW	9.2 kW	12.2 kW

① BMS parallel box G2 with different batteries has different system operating temperature

② This is the storage temperature of BMS parallel box G2, please refer to the battery storage problem for each battery

③ 90% DOD; System usable energy may vary with inverter different setting

④ Test conditions: 100% DOD, 0.2C charge & discharge @+25°C