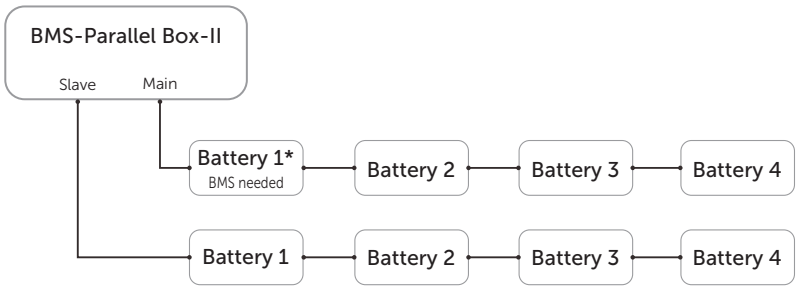
BMS-PARALLEL BOX-II G2

Features

- Increase the capacity of ESS
- Extend the working hours of ESS
- Dual-module in case
- Convenient for capacity expansion
- Prolong the batteries life due to the alternate use of dual-module



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 necessory, that is, T-BAT H 5.8 for T58, MC0600 + HV10230 for T30.*
4. As for TS series, the single string of battery haves to be connected on the Slave port.

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BMS-PARALLEL BOX-II G2

Environment Requirement								
Input/Output voltage Range (V)	70-550							
Standard Power (kW)	11.5							
Maximum Power (kW)	16.1							
Operating charge/ discharge temperature range [°C][1]	T-BAT-H 3.0: -30~55 (with heating function) -10~55 (no heating function) T-BAT H 5.8: 0 ~ 55 (no heating function)							
Storage temperature [°C][2]	-30 ~ +80							
Relative humidity[%]	5 to 95 (non-condensing)							
Altitude [m]	3000							
Protection	IP65							
Communication								
System to inverter	CAN/RS485							
Battery to battery/BMS	T30: CAN / T58: RS485							
Master control LED indicator working mode	3LED							
Master control capacity indicator	2*4LED (25%, 50%, 75%, 100%)							
Battery module LED	2 LED							
Switch on/off	Button*1+breaker*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(WxHxD) [mm]	368*334*153.5							
Weight [kg]	8.7							
Expected life [years]	5							
Nominal Character (Battery System)								
Overvoltage Category(OVC)	II							
Protective Class	I							
Recommend charge/discharge current [A]	25							
Max. charge/discharge current [A]	35							
System one(T58 pack)	**TS 5.8 G2**	**TS 11.5 G2**	**TS 17.3 G2**	**TS 23.0 G2**	**TP 5.8 G2**	**TP 11.5 G2**	**TP 17.3 G2**	**TP 23.0 G2**
Nominal voltage [V]	115.2	230.4	345.6	460.8	115.2	230.4	345.6	460.8
Operating voltage [V]	100-131	200-262	300-393	400-524	100-131	200-262	300-393	400-524
Total Capacity [kWh]	5.8	11.5	17.3	23.0	11.5	23	34.6	46.1
Usable Capacity[3] [kWh]	5.1	10.3	15.5	20.7	10.3	20.7	31.1	41.4
Nominal power [kW]	2.8	5.7	8.6	11.5	2.8	5.7	8.6	11.5
Max. power[4] [kW]	4.0	8.0	12.0	16.1	4.0	8.0	12.0	16.1
System two(T30 pack)	**TS 3.0 G2**	**TS 6.0 G2**	**TS 9.0 G2**	**TS 12.0 G2**	**TP 3.0 G2**	**TP 6.0 G2**	**TP 9.0 G2**	**TP 12.0 G2**
Nominal voltage [V]	102.4	204.8	307.2	409.6	102.4	204.8	307.2	409.6
Operating voltage [V]	90~116	180~232	270~348	360~464	90~116	180~232	270~348	360~464
Total Capacity [kWh]	3.1	6.1	9.2	12.3	6.1	12.3	18.4	24.6
Usable Capacity[3] [kWh]	2.7	5.5	8.2	11.0	5.5	11.0	16.5	22.1
Nominal power [kW]	2.5	5.1	7.6	10.2	2.5	5.1	7.6	10.2
Max. power[4] [kW]	3.0	6.1	9.2	12.2	3.0	6.1	9.2	12.2

Note:
[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] Test conditions: 100% DOD, 0.2C charge & discharge @+25°C
[4] 90% DOD; System usable energy may vary with inverter different setting