

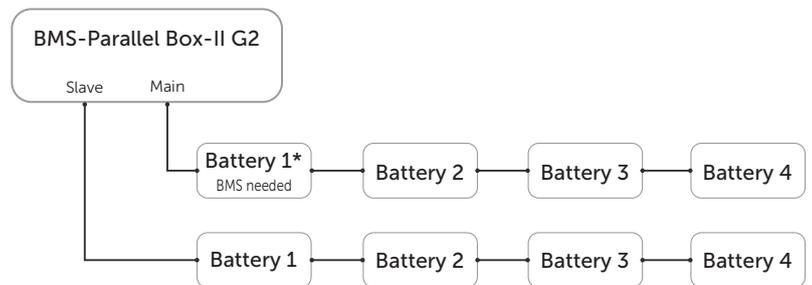


# BMS- PARALLEL BOX-II G2



## 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 .
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,
4. As for TS series, the single string of battery has to be connected on the Slave port.

For more information, please contact us

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## 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] <sup>[1]</sup>	T-BAT H 5.8: 0 ~ 55 (no heating function)
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Storage temperature [°C] <sup>[2]</sup>	-30 ~ +80
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Relative humidity[%]	5 to 95 (non-condensing)
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Altitude [m]	3000
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Protection	IP65
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## Communication

System to inverter	CAN/RS485
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Battery to battery/BMS	T58: RS485
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Master control LED indicator working mode	3LED
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Master control capacity indicator	2*4LED (25%, 50%, 75%, 100%)
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Battery module LED	2 LED
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Switch on/off	Button*1+breaker*1
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## Certification

Safety	IEC/EN 62477-1, IEC/EN 61439-1, IEC/EN 61439-2
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EMC	EN 61000-6-1/2/3/4
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## General

Dimensions(WxHxD) [mm]	368*334*153.5
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Weight [kg]	8.7
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Expected life [years]	5
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## Nominal Character (Battery System)

Overvoltage Category(OVC)	II
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Protective Class	I
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Recommend charge/discharge current [A]	25
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Max. charge/discharge current [A]	35
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## 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 <sup>[3]</sup> [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 <sup>[4]</sup> [kW]	4.0	8.0	12.0	16.1	4.0	8.0	12.0	16.1

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