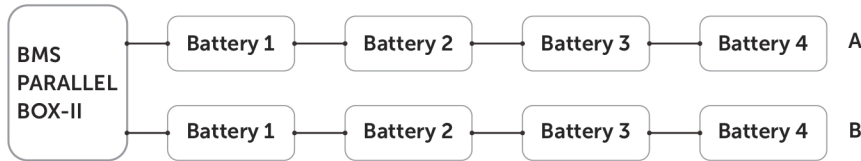


BMS-PARALLEL BOX-II



Features

BMS-Parallel Box-II is an revolutionary product that makes the capacity expansion of storage system possible. With the box, users are able to easily expand the number of T-BAT H 5.8 to 8 from 4 with X3-Hybrid series and to 6 from 3 with X1-Hybrid series. Besides, alternate using dual-module makes the life cycle of batteries longer and prevents the inverter from stopping working caused by the errors in one series.

ENVIRONMENT REQUIREMENT								
Operating charge/discharge temperature range [°C]	0 ~ 55							
Full-load charge/discharge temperature range [°C]	5 ~ 48							
Storage temperature [°C]	-20 ~ +55 (3 months) 0 ~ 40 (1 year)							
Humidity [%]	0 ~ 100 (condensing)							
Altitude [m]	≤ 2000							
Degree of protection	IP55							
COMMUNICATION								
System to inverter	CAN2.0/RS485							
Battery to battery/BMS	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 62477-1, IEC 61439-1, IEC 61439-2							
EMC	IEC 61000-6-1/2/3/4							
Transportation regulation compliance	UN38.3							
GENERAL								
Dimensions(LxWxH) [mm]	368*310*140							
Net weight [kg]	5.2							
Expected life [years]	5							
NOMINAL CHARACTER (Battery Pack)								
	T-BAT S 5.8	T-BAT S 11.5	T-BAT S 17.3	T-BAT S 23.0	T-BAT P 5.8	T-BAT P 11.5	T-BAT P 17.3	T-BAT P 23.0
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 energy [kWh]	5.8	11.5	17.3	23	11.5	23	34.6	46.1
Standard power [kW]	2.9	5.8	8.7	11.6	2.9	5.8	8.7	11.6
Max. power [kW]	4.0	8.0	12.0	16.0	4.0	8.0	12.0	16.0
Pollution degree	PD3							
Overvoltage category(OVC)	II							
Protective class	I							
Recommend charge/discharge current [A]	25							
Max. charge/discharge current [A]	35							
Cycle life [90% DOD]	6000 Cycles							

Note: BMS/Master Battery is no longer necessary

X1-Hybrid can be connected to 6 batteries at most. X3-Hybrid can be connected to 8 batteries at most.