

Power Distribution

DC Distribution BOX



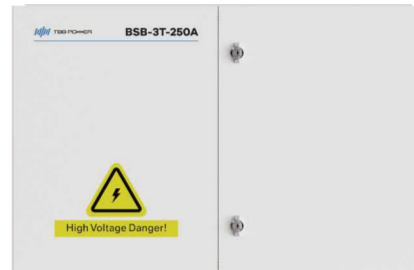
BSB 125A/175A/250A

- BSB 125A is for 48V/3kW inverter
- BSB 175A is for 48V/5kW inverter
- BSB 250A is for 48V/8kW inverter
- Support parallel connection with the same distribution box



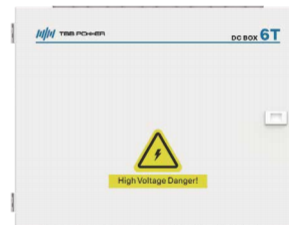
BSB3-1 175A/250A

- BSB3-1 175A is suitable for DC Coupled PV system using a 48V/5kW inverter
- BSB3-1 250A is suitable for DC Coupled PV system using a 48V/8kW inverter
- Support parallel connection with the same distribution box



BSB-3T-250A

- Suitable for DC Coupled PV system using three 48V/8kW inverters
- 2 units can be connected in parallel for a system using six 48V/8kW inverters
- 3 units can be connected in parallel for a system using nine 48V/8kW inverters



DC BOX-6T

- Suitable for DC Coupled PV system using three 48V/8kW inverters in parallel
- 6 x 250A/2P DC breakers

Model	BSB, 125A	BSB, 175A	BSB, 250A	BSB3-1, 175A	BSB3-1, 250A	BSB-3T-250A	DC BOX-6T
Rated voltage	48VDC	48VDC	48VDC	48VDC	48VDC	48VDC	48VDC
Fuse	1x125A, 80Vdc	1x175A, 80Vdc	1x250A, 80Vdc	1x175A, 80Vdc 3x125A, 80Vdc	1x250A, 80Vdc 3x125A, 80Vdc	4x400A, 150Vdc 3x250A, 150Vdc 3x125A, 150Vdc	/
Switch	1x300A, 50Vdc	1x300A, 50Vdc	1x300A, 50Vdc	1x300A, 50Vdc	1x300A, 50Vdc	3x300A, 50Vdc	/
Breaker	/	/	/	/	/	/	6x250A/2P, 500Vdc
Wiring terminal	M8 screw	M8 screw	M8 screw	M8 screw	M8 screw	M8 screw	M8 screw
Temperature, altitude	-25°C~+60°C, 2000m (>2000m derating)						
General data	Galvanized sheet, spray painted surface RAL9003, IP20, Wall-mounted						
Dimensions / weight	176*190*105.5mm 1.7kg			270*190*94.5mm 2.4kg		1000*600*200mm 47kg	580*450*162.5mm 23.6kg

AC Distribution BOX



BLOCK 3T

- Suitable for 3-phase and parallel systems composed of 3 units TBB inverters (5kw-8kw each) and 2 units PV inverters (15kW each)
- Suitable for backup power and off-grid applications



BLOCK 6T

- Suitable for 3-phase and parallel systems composed of 6 units TBB inverters (5kw-8kw each) and 3 units PV inverters (15kW each)
- Suitable for backup power and off-grid applications



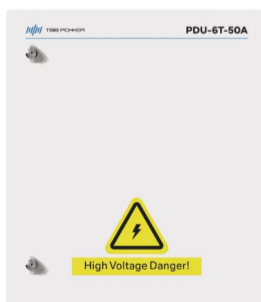
PAC32A/50A

- PAC32A is suitable for a 3kW TBB inverter
- PAC50A is suitable for a 5kW TBB inverter
- Both models are suitable for backup power and off-grid applications



PDU-3T-50A

- Suitable for 3-phase systems composed of 3 units TBB inverters (5kW-8kW each)
- Suitable for backup power, off-grid and ESS applications



PDU-6T-50A

- Suitable for 3-phase systems composed of 6 units TBB inverters (5kW-8kW each)
- Suitable for backup power, off-grid and ESS applications



PDU-9T-50A

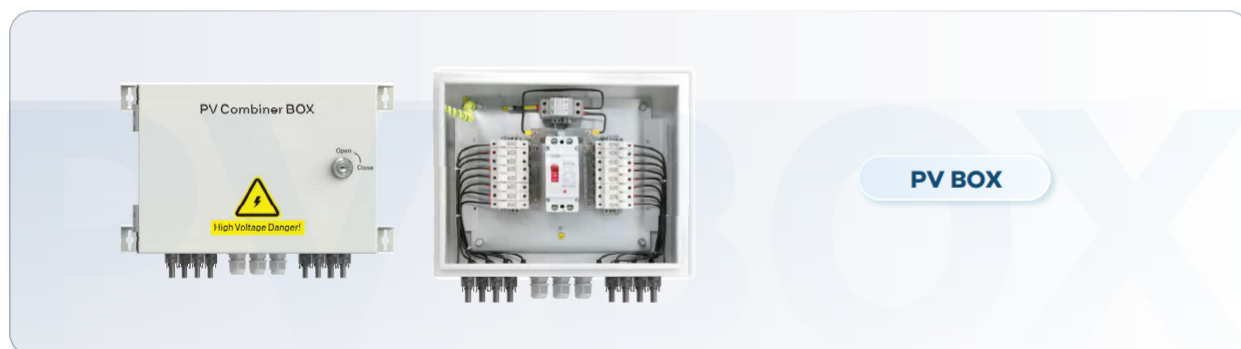
- Suitable for 3-phase systems composed of 9 units TBB inverters (5kW-8kW each)
- Suitable for backup power, off-grid and ESS applications

Model	BLOCK-3T	BLOCK-6T
Rated voltage / Frequency	400/230VAC (50/60 Hz)	
Rated current	63A	125A
Inverter input circuit breaker	1x C Type, 3P, 63A	2x C Type, 3P, 63A
Inverter output circuit breaker	1x C Type, 3P, 63A	2x C Type, 3P, 63A
PV inverter output circuit breaker	1x C Type, 3P, 32A	3x C Type, 3P, 63A
Maintain bypass switch	C Type, 4P, 63A	C Type, 4P, 125A
System output circuit breaker	C Type, 3P, 63A	C Type, 3P, 125A
AC input terminal	63A, 9~3AWG, M5 screw	125A, 18~2AWG, M6 screw
Wiring terminals for inverter input and output, PV inverter output	63A, 9~3AWG, M5 screw	
System output wiring terminal	125A / 800V, 18~2AWG, M6 screw	
Ground copper bar	2*35*160mm, 12 holes (M5)	2*35*260mm, 22 holes (M5)
Temperature, altitude	-25°C ~ +60°C, 2000m (>2000m derating)	
General data	Galvanized sheet, spray painted surface RAL9003, IP20, Wall-mounted	
Dimensions / weight	465*450*115mm, 13kg	580*600*115mm, 22kg

Model	PDU-3T-50A	PDU-6T-50A	PDU-9T-50A
Rated voltage / Frequency	400/230VAC (50/60 Hz)		
Rated current	50A	50A	50A
Surge protection device	3P+N, 230/400V, 20kA	3P+N, 230/400V, 20kA	3P+N, 230/400V, 20kA
Meter	100A/5A	150A/5A	300A/5A
Inverter input circuit breaker	1x C Type, 3P, 63A	2x C Type, 3P, 63A	3x C Type, 3P, 63A
Inverter output circuit breaker	1x C Type, 3P, 63A	2x C Type, 3P, 63A	3x C Type, 3P, 63A
PV inverter output circuit breaker	1x C Type, 3P, 63A	3x C Type, 3P, 63A	3x C Type, 3P, 63A
Maintain bypass switch	C Type, 4P, 63A	C Type, 4P, 125A	C Type, 4P, 160A
Normal load circuit breaker	C Type, 3P, 63A	C Type, 3P, 63A	C Type, 3P, 125A
Critical load circuit breaker	C Type, 3P, 63A	C Type, 3P, 125A	C Type, 3P, 160A
AC input terminal	63A, 9~3AWG, M5 screw	125A, 18~2AWG, M6 screw	232A, 18~2AWG, M8 screw
Wiring terminals for inverter input and output, PV inverter output	63A, 9~3AWG, M5 screw		
System output wiring terminal	125A / 800V, 18~2AWG, M6 screw		232A/1000V, 18~2AWG, M8 screw
Ground copper bar	2*35*160mm, 12 holes (M5)	2*35*260mm, 22 holes (M5)	3*30*400mm, 25 holes (M6)
Temperature, altitude	-25°C ~ +60°C, 2000m (>2000m derating)		
General data	Galvanized sheet, spray painted surface RAL9003, IP20, Wall-mounted		
Dimensions	600*800*200mm	700*800*200mm	700*1000*200mm

Model	PAC32A	PAC50A
Pre-installed AC input MCB	1*32A 2P	1*50A 2P
Pre-installed AC output MCB	1*32A 2P*1	1*50A 2P
Pre-installed terminals	2*DRTB6 57A 6mm ²	2*DRTB10 76A 10mm ²
Size	120*160*95mm	
Protection	IP20	
Weight	0.9kg	1.1kg

PV COMBINER BOX



PVB series PV combiner box is designed for solar off-grid system available with series of max VOC 150Vdc and 250Vdc. It can be used between PV array and solar charge controller or a solar inverter. With built-in MC4 connector, fuse, circuit breaker and SPD, it can facilitate the installation as well as improve the system safety.

- Built-in fuses for each string of PV against short circuit
- Built-in Surge Protection Device will effectively protect the connected charger or solar inverter
- Built-in main DC MCB for easy maintenance
- Adopting MC4 connectors to provide a simple and easy connection
- Supplied with additional MC4 connectors used on PV array
- IP54, wall-mounted design

Model	PVB150-8	PVB150-6	PVB250-5	PVB150-4	PVB250-3	PVB3-1-SPD	PVB4-1-SPD
Applicable MPPT Charger	SP150-120	SP150-80	SP250-100	SP150-60	SP250-70	150V 60A (Built-in RiiO Sun/ Apollo Maxx)	150V 90A (Built-in RiiO Sun/ Apollo Maxx)
Open circuit voltage	150VDC		250VDC	150VDC	250VDC	150VDC	
Number of string	8	6	5	4	3		4
Fuse per string	15A						
DC circuit breaker	100A			63A		/	
Spd	Un: 220VDC		Un: 280VDC	Un: 220VDC	Un: 280VDC	Un: 220VDC	
	In:20KA						
	Imax: 40KA						
	Up<1.2KV		Up: ≤1.4 KV	Up<1.2KV	Up: ≤1.4 KV	Up<1.2KV	
Operating temperature	-25~60℃						
Storage temperature	-40~70℃						
Cooling	Natural cooling						
Humidity	95% (25℃) , non-condensing						
Altitude	3000m (full rated output up to 2000m)						
Protection category	IP54					IP20	
Dimension (LxWxH)	550mm×400mm×135mm			400mm×250mm×97mm		255mm*198mm*110mm	
Net Weight	12.4kg	12.0kg	11.8kg	5.1kg	4.9kg	1kg	1.2kg