



WE with 19 years experience in electrical industry, is one of the leading manufacturers of distribution box , industrial plug , temperature control system , complete electrical switchgear , charge spots , Solar PV combiner box in China.



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CHARGE SPOTS

▲ PV combiner box

▲ Charge spots

▲ Complete electrical switchgear



TBAC series AC charge spots



TBAC series AC charge spots supplies AC power to the electric passenger vehicles with on-board charger , simple and easy to be installed , it is always installed in the electric vehicle charging station , public parking area , parking area in residential quarters , large commercial parking area .

TECHNICAL DATA

Model	TBAC-SW-B-7KVA-2210	TBAC-SW-S-7KVA-2210
Input-output characteristics		
Voltage (Vac)	220V (single phase three wire)	
Current (A)	32	32
Capacity (KVA)	7	7
Frequency (Hz)	45-65	
Audio noise	<55	
Protective characteristics		
Short-circuit protection	Unrecoverable (need manual recovery)	
Overvoltage protection	No output after protection , recover automatically	
Low-voltage protection	No output after protection , recover automatically	
Leakage protection	Unrecoverable (need manual recovery)	
Man-machine interactive interface		
The monochrome screen	5'	
LED light	Support	
Keyboard	16' touch keyboard	
Card reader	Non-contact card reader	
APP operation	Support	

Charge configuration and Administer Standard	
Charge socket or plug	1
charging cable length(m)	3
Administer Standard of charge	GB/T18487.1-2015, GB/T20234.1-2015, GB/T20234.2-2015 ,NB/T33002-2010 , NB/T33008.2-2013
Working parameter	
Working temperature (°C)	-20~+50
Storage temperature (°C)	-40~+80
Relative humidity	≤95%
Atmospheric pressure(kPa)	70~106
Mechanical parameter	
Dimension (mm) (wall mounted type)	420x175x120
Weight (kg)	≤50
Protection degree	IP54

TBAC series AC charge spots



TBAC series AC charge spots supply AC power to the electric passenger vehicles with on-board charger, the system is simple and easy to be installed, always installed in the electric vehicle charging station, public parking area, parking area in residential quarters, large commercial parking area.

TECHNICAL DATA

Model	TBAC-TW-S-21KVA-3810	TBAC-TW-S-42KVA-3800
Input-output characteristics		
Voltage (Vac)	380V(three phase five wire)	
Current (A)	32	63
Capacity (KVA)	21	42
Frequency (Hz)	45-65	
Audio noise	<55	
Protective characteristics		
Short-circuit protection	Unrecoverable (need manual recovery)	
Overtoltage protection	No output after protection , recover automatically	
Low-voltage protection	No output after protection , recover automatically	
Leakage protection	Unrecoverable (need manual recovery)	
Man-machine interactive interface		
The monochrome screen	5'	
LED light	Support	
Keyboard	16' touch keyboard	
Card reader	Non-contact card reader	
APP operation	Support	

Charge configuration and Administer Standard	
Charge socket or plug	1
charging cable length(m)	3
Administer Standard of charge	GB/T18487.1-2015, GB/T20234.1-2015, GB/T20234.2-2015 ,NB/T33002-2010 , NB/T33008.2-2013
Working parameter	
Working temperature (°C)	-20~+50
Storage temperature (°C)	-40~+80
Relative humidity	≤95%
Atmospheric pressure(kPa)	70~106
Mechanical parameter	
Dimension (mm) (wall mounted type)	1685x346x526
Weight (kg)	≤50
Protection degree	IP54

TBDC series DC charge spots (outdoor integrated type)



TBDC series DC charge spots (outdoor integrated type) is applied to supply power to electric distributed charging network vehicles. Works rapid and effective to deploy charging network, can provide high-power fast charging service. It is made up of integrated type charging spot and Charging connector. Widely used charging station, Enterprise dedicated parking lot.

TECHNICAL DATA

Model	TBDC-30KW-5YHW-1 TBDC-30KW-7YHW-1		TBDC-60KW-5YHW-1 TBDC-60KW-7YHW-1 TBDC-60KW-5YHW-2T TBDC-60KW-7YHW-2T TBDC-60KW-5YHW-2L TBDC-60KW-7YHW-2L
Input characteristics			
Input voltage(V)	260~456 (three phase five wires)		
Input current(A)	≤55	≤110	
AC Input frequency (Hz)	45-65		
Efficiency	≤95%		
Power factor	≥0.99		
Total input Harmonic content	≤5%		
Output characteristics			
Output voltage range(V)	500V DC series :200-500V 700V DC series :300-750V		
Rated output current(A) 500V/700V	60/40	120/80	
Maximun output current(A) 500V/700V	72/48	144/96	
Soft-start time(S)	3~8		
Output constant current range	10%~100%		
Stabilized voltage precision	≤ ± 0.2%		
Stabilized current precision	≤ ± 0.5%		
Output characteristics			
Ripple factor (peak-to-peak value)	≤ 1%		
Equalizing current and unbalance	≤ ± 3%(50%~100% rated load)		
Audio noise(dB)	< 65		

Protective characteristics		
Output short -circuit protection	Retraction current≤40%Io , recover automatically	
Output overvoltage protection	No output after protection , Unrecoverable (need manual recovery)	
Input overvoltage undervoltage protection	No output after protection , recover automatically	
Open phase protection	No output after protection , recover automatically	
Over-temperature protection	No output after protection , recover automatically	
Charge configuration and Administer Standard		
Charge socket or plug	1	2
charging cable length(m)	5	
Communication protocol standards	GB/T27390-2015	
Administer Standard of charge	GB/T18487.1-2015, GB/T20234.1-2015, GB/T20234.2-2015 ,NB/T33002-2010 , NB/T33008.2-2013	
Working parameter		
Working temperature (°C)	-20~+50	
Storage temperature (°C)	-40~+80	
Relative humidity	≤95%	
Atmospheric pressure(kPa)	70~106	
Mechanical parameter		
Dimension (mm) (wall mounted type)	1700x500x500	
Weight (kg)	≤200	≤300
Protection degree	IP54	

TBDC series DC charge spots (Split type)



V2G split type two-way charge equipment. It is designed based on the request of energy storage, Interactive smart grid, Optimize the utilization of energy resources. In the storage, photovoltaic, microgrid system. It is a DC-AC, AC-DC bidirectional converter device connect with public grid. made up of bidirectional rectifier cabinet, outdoor charging spot, adopting modularity design, single rectifier module and inverter module is 50KW, widely used in the charging station, Enterprise dedicated parking lot.

TECHNICAL DATA

Model	TBDC-50KW-V	TBDC-150KW-V
Input characteristics		
Input voltage(V)	260~456 (three phase five wires)	
Input current(A)	≤300	
AC Input frequency (Hz)	45-65	
Efficiency	≤93%	
Power factor	≥0.99	
Total input Harmonic content	≤5%	
DC output characteristics		
Output voltage range(V)	700V DC series :200-500V	700V DC series :300-750V
Rated output current(A)	80	240
Maximun output current(A)	85	250
Soft-start time(S)	3~8	
Output constant current range	10%~100%	
Stabilized voltage precision	≤ ±0.5%	
Stabilized current precision	≤ ±0.5%	
Ripple factor (peak-to-peak value)	≤1%	
Equalizing current and unbalance	≤ ±5%(50%~100% rated load)	
Audio noise(dB)	< 55	
Inverter output characteristics		
Output voltage range(V)	(Three-phase)400v±15%	
Maximun power	≥93%	
Grid allowable frequency	47~51.5Hz	
Power factor	≥0.99	

Total output Harmonic content	≤5%
Total current waveform aberration rate	<3% (rated power)
Power factor	0.9(preact)~0.9(hysteretic)
Protective characteristics	
Output short-circuit protection	Retraction current≤40%Io, recover automatically
Output overvoltage protection	No output after protection, Unrecoverable (need manual recovery)
Input overvoltage undervoltage protection	No output after protection, recover automatically
Open phase protection	No output after protection, recover automatically
Over-temperature protection	No output after protection, recover automatically
Charge configuration and Administer Standard	
Communication protocol standards	GB/T27390-2015
Administer Standard of charge	GB/T18487.1-2015, GB/T20234.1-2015, GB/T20234.2-2015, NB/T33002-2010, NB/T33008.2-2013
Working parameter	
Working temperature (°C)	-20~+50
Storage temperature (°C)	-40~+80
Relative humidity	≤95%
Atmospheric pressure(kPa)	70~106
Mechanical parameter	
Dimension (mm) (wall mounted type)	2000x1200x800
Weight (kg)	≤620 ≤1500
Protection degree	Ip31

TBDC series DC charge spots (Split type)



Split type DC charge equipment

It is applied to the electric vehicle centralized charging system . works rapid and effective to deploy charging network , can provide high-power fast charging service . It is made up of rectifier cabinet and outdoor charging terminal . Every rectifier cabinet has 14pcs of rectifier modules at most and 1pc of standard cabinet . Widely used charging station ,Enterprise dedicated parking lot etc .

TECHNICAL DATA

Model	TBDC-210KW-5, TBDC-210KW-57
Input characteristics	
Input voltage(V)	260~456 (three phase five wires)
Input current(A)	≤360
AC Input frequency (Hz)	45-65
Efficiency	≥95%
Power factor	≥0.99
Total input Harmonic content	≤5%
Output characteristics	
Output voltage range(V)	500V DC series :200-500V 700V DC series :300-750V
Rated output current(A) 500V/700V	420/280
Maximum output current(A) 500V/700V	504/336
Soft-start time(S)	3~8
Output constant current range	10%~100%
Stabilized voltage precision	≤ ±0.2%
Stabilized current precision	≤ ±0.5%
Ripple factor (peak-to-peak value)	≤1%
Equalizing current and unbalance	≤ ±3%(50%~100% rated load)
Audio noise(dB)	<65

Protective characteristics	
Output short -circuit protection	Retraction current≤40%I _o , recover automatically
Output overvoltage protection	No output after protection , Unrecoverable (need manual recovery)
Input overvoltage undervoltage protection	No output after protection , recover automatically
Open phase protection	No output after protection , recover automatically
Over-temperature protection	No output after protection , recover automatically
Charge configuration and Administer Standard	
Charge socket or plug	/
charging cable length(m)	/
Communication protocol standards	GB/T27390-2015
Administer Standard of charge	GB/T18487.1-2015, GB/T20234.1-2015, GB/T20234.2-2015 ,NB/T33002-2010 , NB/T33008.2-2013
Working parameter	
Working temperature (°C)	-20~+50
Storage temperature (°C)	-40~+80
Relative humidity	≤95%
Atmospheric pressure(kPa)	70~106
Mechanical parameter	
Dimension (mm) (wall mounted type)	2000x600x600
Weight (kg)	≤270
Protection degree	Ip31

TBXG series DC charge spots (outdoor split type)



TBXG series DC charge spots (outdoor split type) is applied to electric vehicle split type charging system . made up of outdoor cabinet , Multiple charger and outdoor hang-oil gun spot . Widely used charging station ,Enterprise dedicated parking lot etc .

TECHNICAL DATA

Model	TBXG-3100	TBXG-4300
Input characteristics		
Input voltage(V)	260~456 (three phase five wires)	
Input current(A)	≤700	≤1500
AC Input frequency (Hz)	45-65	
Efficiency	≥95%	
Power factor	≥0.99	
Total input Harmonic content	≤5%	
Output characteristics		
Output power(KW)	4X150	6X150
The quantity of charger(pc)	4	6
Soft-start time(S)	3~8	
Output constant current range	10%~100%	
Stabilized voltage precision	≤ ±0.2%	
Stabilized current precision	≤ ±0.5%	
Ripple factor (peak-to-peak value)	≤1%	
Equalizing current and unbalance	≤ ±3%(50%~100% rated load)	
Audio noise(dB)	<55	

Protective characteristics		
Output short-circuit protection	Retraction current≤40%I _o , recover automatically	
Output overvoltage protection	No output after protection , Unrecoverable (need manual recovery)	
Input overvoltage undervoltage protection	No output after protection , recover automatically	
Open phase protection	No output after protection , recover automatically	
Over-temperature protection	No output after protection , recover automatically	
Charge configuration and Administer Standard		
The quantity of charge socket	8	12
charging cable length(m)	5	
Communication protocol standards	GB/T27390-2015	
Administer Standard of charge	GB/T18487.1-2015, GB/T20234.1-2015, GB/T20234.2-2015 ,NB/T33002-2010 , NB/T33008.2-2013	
Working parameter		
Working temperature (°C)	-20~+50	
Storage temperature (°C)	-40~+80	
Relative humidity	≤95%	
Atmospheric pressure(kPa)	70~106	
Mechanical parameter		
Dimension (mm) (wall mounted type)	2400x3100x1100	2400x4300x1100
Weight (kg)	≤1650	≤2350
Protection degree	IP54	