

## Lineup \* Higher power specifications are not listed.

Voltage	Model	Current	Power	Dimension	Voltage	Model	Current	Power	Dimension
80V	HTRB-V08C150-502	150A	5kW	3U	300V	HTRB-V1EC75-602	75A	6kW	3U
	HTRB-V08C300-103	300A	10kW	3U		HTRB-V1EC150-123	150A	12kW	3U
	HTRB-V08C450-153	450A	15kW	3U		HTRB-V1EC225-183	225A	18kW	3U
	HTRB-V08C900-303	900A	30kW	6U		HTRB-V1EC450-363	450A	36kW	6U
	HTRB-V08C1350-453	1350A	45kW	16U		HTRB-V1EC675-543	675A	54kW	16U
	HTRB-V08C1800-603	1800A	60kW	16U		HTRB-V1EC900-723	900A	72kW	16U
	HTRB-V08C2250-753	2250A	75kW	22U		HTRB-V1EC1125-903	1125A	90kW	22U
Voltage	Model	Current	Power	Dimension	Voltage	Model	Current	Power	Dimension
500V	HTRB-V32C40-602	40A	6kW	3U	800V	HTRB-V50C25-602	25A	6kW	3U
	HTRB-V32C80-123	80A	12kW	3U		HTRB-V50C50-123	50A	12kW	3U
	HTRB-V32C120-183	120A	18kW	3U		HTRB-V50C75-183	75A	18kW	3U
	HTRB-V32C240-363	240A	36kW	6U		HTRB-V50C150-363	150A	36kW	6U
	HTRB-V32C360-543	360A	54kW	16U		HTRB-V50C225-543	225A	54kW	16U
	HTRB-V32C480-723	480A	72kW	16U		HTRB-V50C300-723	300A	72kW	16U
	HTRB-V32C600-903	600A	90kW	22U		HTRB-V50C375-903	375A	90kW	22U
Voltage	Model	Current	Power	Dimension	Voltage	Model	Current	Power	Dimension
1000V	HTRB-V64C40-123	40A	12kW	3U	1500V	HTRB-V96C25-123	25A	12kW	3U
	HTRB-V64C80-243	80A	24kW	6U		HTRB-V96C40-183	40A	18kW	3U
	HTRB-V64C120-363	120A	36kW	16U		HTRB-V96C80-363	80A	36kW	6U
	HTRB-V64C160-483	160A	48kW	16U		HTRB-V96C120-543	120A	54kW	16U
	HTRB-V64C200-603	200A	60kW	22U		HTRB-V96C160-723	160A	72kW	16U
Voltage	Model	Current	Power	Dimension	Voltage	Model	Current	Power	Dimension
2250V	HTRB-VE1C25-183	25A	18kW	3U	2250V	HTRB-VE1C100-723	100A	72kW	16U
	HTRB-VE1C50-363	50A	36kW	6U		HTRB-VE1C125-903	125A	90kW	22U
	HTRB-VE1C75-543	75A	54kW	16U		HTRB-VE1C150-1083	150A	108kW	22U

## General specification parameters

Items	Parameters
AC input	Three-phase input, 340VAC~480VAC, frequency: 47Hz~63Hz
Power factor	0.99 (typical value)
Efficiency	>93% (typical value)
Output voltage	0~rated value(maximum rating 2250V)
Output current	0~rated value(maximum rating 10000A)
Output power	0~rated value(maximum rating 180kW)
Voltage measurement accuracy	0.02%+0.02%F.S.
Accuracy of current measurement	0.1%+0.1%F.S.
Voltage and current Monitoring	Voltage/current monitor output voltage: DC 0~5V
Display interface	4.3-inch TFT color LCD screen
Operation interface	Function keys, numeric keys and knobs
Transient response	10%~90% dynamic load change, equipment voltage recovery to the rated value of 0.75% of the accuracy of the range of time required less than 2ms
Parallel operation	Support 10 sets of the same type of master and slave parallel expansion
Protection	Over-voltage, over-current, over-power, over-temperature, under-voltage, etc
Communication interface	LAN, USB serial port (optional GPIB, CAN, RS485)
Communication protocol	SCPI, MODBUS, CAN-Open protocols
Operating temperature	0°C~40°C
Storage temperature	-20°C~70°C
Use altitude	<2000m
Heat dissipation mode	Air-cooled, intelligent air control

## Specification parameters-1

Parameter items	Technical parameters			
Voltage rating	80V	300V	500V	800V
Model	HTRB-V08C150-502	HTRB-V1EC75-602	HTRB-V32C40-602	HTRB-V50C25-602
Power	-5~5kW	-6~6kW	-6~6kW	-6~6kW
Current	-150~150A	-75~75A	-40~40A	-25~25A
Resistance	0.02~106Ω	0.3~800Ω	0.5~2.5kΩ	1.2~6kΩ
Model	HTRB-V08C300-103	HTRB-V1EC150-123	HTRB-V32C80-123	HTRB-V50C50-123
Power	-10~10kW	-12~12kW	-12~12kW	-12~12kW
Current	-300~300A	-150~150A	-80~80A	-50~50A
Resistance	0.01~50Ω	0.15~400Ω	0.25~1.25kΩ	0.6~3kΩ
Model	HTRB-V08C450-153	HTRB-V1EC225-183	HTRB-V32C120-183	HTRB-V50C75-183
Power	-15~15kW	-18~18kW	-18~18kW	-18~18kW
Current	-450~450A	-225~225A	-120~120A	-75~75A
Resistance	0.006~35Ω	0.1~266Ω	0.16~833Ω	0.4~2kΩ
Model	HTRB-V08C900-303	HTRB-V1EC450-363	HTRB-V32C240-363	HTRB-V50C150-363
Power	-30~30kW	-36~36kW	-36~36kW	-36~36kW
Current	-900~900A	-450~450A	-240~240A	-150~150A
Resistance	0.003~17Ω	0.05~133Ω	0.08~416Ω	0.2~1kΩ
Models	HTRB-V08C1350-453	HTRB-V1EC675-543	HTRB-V32C360-543	HTRB-V50C225-543
Power	-45~45kW	-54~54kW	-54~54kW	-54~54kW
Current	-1350~1350A	-675~675A	-360~360A	-215~215A
resistance	0.002~11Ω	0.03~88Ω	0.05~277Ω	0.1~666Ω
Model	HTRB-V08C1800-603	HTRB-V1EC900-723	HTRB-V32C480-723	HTRB-V50C300-723
Power	-60~60kW	-72~72kW	-72~72kW	-72~72kW
Current	-1800~1800A	-900~900A	-480~480A	-300~300A
Resistance	0.002~8.8Ω	0.025~66Ω	0.042~208Ω	0.1~500Ω
Model	HTRB-V08C2250-753	HTRB-V1EC1125-903	HTRB-V32C600-903	HTRB-V50C375-903
Power	-75~75kW	-90~90kW	-90~90kW	-90~90kW
Current	-2250~2250A	-1125~1125A	-600~600A	-375~375A
Resistance	0.002~9Ω	0.02~53Ω	0.033~166Ω	0.08~400Ω
Model	HTRB-V08C2700-903	HTRB-V1EC1350-1083	HTRB-V32C720-1083	HTRB-VC450-1083
Power	-90~90kW	-108~108kW	-108~108kW	-108~108kW
Current	-2700~2700A	-1350~1350A	-720~720A	-450~450A
Resistance	0.001~6Ω	0.017~44Ω	0.027~138Ω	0.066~333Ω
Model number	HTRB-V08C3150-1053	HTRB-V1EC1575-1263	HTRB-V32C840-1263	HTRB-VC525-1263
Power	-105~105kW	-126~126kW	-126~126kW	-126~126kW
Current	-3150~3150A	-1575~1575A	-840~840A	-525~525A
Resistance	0.001~4.4Ω	0.014~38Ω	0.024~119Ω	0.057~285Ω
Model	HTRB-V08C3600-1203	HTRB-V1EC1800-1443	HTRB-V32C960-1443	HTRB-VC600-1443
Power	-120~120kW	-144~144kW	-144~144kW	-144~144kW
Current	-3600~3600A	-1800~1800A	-960~960A	-600~600A
Resistance	0.001~4.4Ω	0.013~33Ω	0.021~104Ω	0.05~250Ω
Model	HTRB-V08C4050-1353	HTRB-V1EC2025-1623	HTRB-V32C1080-1623	HTRB-VC675-1623
Power	-135~135kW	-162~162kW	-162~162kW	-162~162kW
Current	-4050~4050A	-2025~2025A	-1080~1080A	-675~675A
Resistance	0.001~3.9Ω	0.011~30Ω	0.018~92Ω	0.044~222Ω
Model	HTRB-V08C4500-1503	HTRB-V1EC2250-1803	HTRB-V32C1200-1803	HTRB-VC750-1803
Power	-150~150kW	-180~180kW	-180~180kW	-180~180kW
Current	-4500~4500A	-2250~2250A	-1200~1200A	-750~750A
Resistance	0.001~3.5Ω	0.01~26Ω	0.017~83Ω	0.04~200Ω
<b>Voltage parameters</b>				
Programming accuracy	0.02%+0.02%F.S.	0.02%+0.02%F.S.	0.02%+0.02%F.S.	0.02%+0.02%F.S.
Measurement accuracy	0.02%+0.02%F.S.	0.02%+0.02%F.S.	0.02%+0.02%F.S.	0.02%+0.02%F.S.
Program/measure resolution	1mV	5mV	10mV	10mV
Linear adjustment rate	0.01%F.S.	0.01%F.S.	0.01%F.S.	0.01%F.S.
Load adjustment rate	0.02%F.S.	0.02%F.S.	0.02%F.S.	0.02%F.S.
Upward slope	10000V/s	40000V/s	40000V/s	40000V/s
Descent time	No-load	<5s	<10s	<10s
	Full load	≤30ms	≤30ms	≤30ms
Noise & Ripple	Peak-to-peak value(Vpp)	320mV	450 mV	800 mV
	rms value(Vrms)	25 mV	40 mV	70 mV
<b>Current parameters</b>				
Programming accuracy	0.1%+0.1%F.S.	0.1%+0.1%F.S.	0.1%+0.1%F.S.	0.1%+0.1%F.S.
Measurement accuracy	0.1%+0.1%F.S.	0.1%+0.1%F.S.	0.1%+0.1%F.S.	0.1%+0.1%F.S.
Programming/measuring resolution	Imax/2 <sup>16</sup>	Imax/2 <sup>16</sup>	Imax/2 <sup>16</sup>	Imax/2 <sup>16</sup>
Linear adjustment rate	0.05%F.S.	0.05%F.S.	0.05%F.S.	0.05%F.S.
Load adjustment rate	0.1%F.S.	0.1%F.S.	0.1%F.S.	0.1%F.S.
<b>Power parameter</b>				
Programming accuracy	0.5%F.S.	0.5%F.S.	0.5%F.S.	0.5%F.S.
Measurement accuracy	0.5%F.S.	0.5%F.S.	0.5%F.S.	0.5%F.S.
Programming/measuring resolution	1W	1W	1W	1W
<b>Resistance parameter</b>				
Programming accuracy	1%+0.5%I.F.S.	1%+0.5%I.F.S.	1%+0.5%I.F.S.	1%+0.5%I.F.S.
Measurement accuracy	1%+0.5%I.F.S.	1%+0.5%I.F.S.	1%+0.5%I.F.S.	1%+0.5%I.F.S.
Programming/measuring resolution	0.001Ω	0.001Ω	0.001Ω	0.001Ω
<b>Other</b>				
Dimensions (W*H*D)	5kW~18kW: 482.6mm x 132.5mm x 740.0mm, includes output shields			
Weight	5kW, 6kW≈18kg,			
	10kW, 12kW≈25kg,			
	15kW, 18kW≈32kg			

## Specification parameters-2

Parameter items		Technical parameters			
Voltage rating		1000V	1500V	2250V	
Model		HTRB-V64C40-123	HTRB-V96C25-123	~	
Power		-12~12kW	-12~12kW	~	
Current		-40~40A	-25~25A	~	
Resistance		1~5kΩ	2.25~11kΩ	~	
Model		~	HTRB-V96C40-183	HTRB-VE1C25-183	
Power		~	-18~18kW	-18~18kW	
Electric current		~	-40~40A	-25~25A	
Resistance		~	1.5~7.5kΩ	3.6~18k	
Model		HTRB-V64C80-243	HTRB-V96C80-363	HTRB-VE1C50-363	
Power		-24~24kW	-36~36kW	-36~36kW	
Current		-80~80A	-80~80A	-50~50A	
Resistance		0.5~2.5kΩ	0.75~7.5kΩ	1.8~9kΩ	
Model		HTRB-V64C120-363	HTRB-V96C120-543	HTRB-VE1C75-543	
Power		-36~36kW	-54~54kW	-54~54kW	
Current		-120~120A	-120~120A	-75~75A	
Resistance		0.33~1.6kΩ	0.5~2.5kΩ	1.2~6kΩ	
Model		HTRB-V64C160-483	HTRB-V96C160-723	HTRB-VE1C100-723	
Power		-48~48kW	-72~72kW	-72~72kW	
Current		-160~160A	-160~160A	-100~100A	
Resistance		0.25~1.25kΩ	0.375~1.875kΩ	0.9~4.5kΩ	
Models		HTRB-VC200-603	HTRB-VC200-903	HTRB-VE1C125-903	
Power		-60~60kW	-90~90kW	-90~90kW	
Current		-200~200A	-200~200A	-125~125A	
Resistance		0.2~1kΩ	0.3~1.5kΩ	0.72~3.6kΩ	
Model		HTRB-VC240-723	HTRB-VC240-1083	HTRB-VE1C150-1083	
Power		-72~72kW	-108~108kW	-108~108kW	
Current		-240~240A	-240~240A	-150~150A	
Resistance		0.166~250Ω	0.25~1.25kΩ	0.6~3kΩ	
Model		HTRB-VC280-843	HTRB-VC280-1263	HTRB-VE1C175-1263	
Power		-84~84kW	-126~126kW	-126~126kW	
Current		-280~280A	-280~280A	-175~175A	
Resistance		0.143~714Ω	0.214~1.07kΩ	0.514~2.5kΩ	
Models		HTRB-VC320-963	HTRB-VC320-1443	HTRB-VE1C200-1443	
Power		-96~96kW	-144~144kW	-144~144kW	
Current		-320~320A	-320~320A	-200~200A	
Resistance		0.125~625Ω	0.188~938Ω	0.45~2.25kΩ	
Models		HTRB-VC360-1083	HTRB-VC360-1623	HTRB-VE1C225-1623	
Power		-108~108kW	-162~162kW	-162~162kW	
Current		-360~360A	-360~360A	-225~225A	
Resistance		0.11~555Ω	0.167~833Ω	0.4~2kΩ	
Model		HTRB-VC400-1203	HTRB-VC400-1803	HTRB-VE1C250-1803	
Power		-120~120kW	-180~180kW	-180~180kW	
Current		-400~400A	-400~400A	-250~250A	
Resistance		0.1~500Ω	0.15~750Ω	0.36~1.8kΩ	
<b>Voltage parameters</b>					
Programming accuracy		0.02%+0.02%F.S.	0.02%+0.02%F.S.	0.02%+0.02%F.S.	
Measurement accuracy		0.02%+0.02%F.S.	0.02%+0.02%F.S.	0.02%+0.02%F.S.	
Program/measure resolution		17mV	25mV	37.5mV	
Linear adjustment rate		0.01%F.S.	0.01%F.S.	0.01%F.S.	
Load adjustment rate		0.02%F.S.	0.02%F.S.	0.02%F.S.	
Upward slope		40000V/s	40000V/s	40000V/s	
Descent time	No-load	<10s	<10s	<10s	
	Full load	≤30ms	≤30ms	≤30ms	
Noise & Ripple	Peak-to-peak Value (Vpp)	12kW	1600mV	-	
		18kW	-	2400mV	3600mV
	RMS (Vrms)	12kW	350mV	-	-
		18kW	-	400mV	400mV
<b>Current parameters</b>					
Programming accuracy		0.1%+0.1%F.S.	0.1%+0.1%F.S.	0.1%+0.1%F.S.	
Measurement accuracy		0.1%+0.1%F.S.	0.1%+0.1%F.S.	0.1%+0.1%F.S.	
Programming/measuring resolution		$I_{max} / 2^{16}$	$I_{max} / 2^{16}$	$I_{max} / 2^{16}$	
Linear adjustment rate		0.05%F.S.	0.05%F.S.	0.05%F.S.	
Load adjustment rate		0.05%F.S.	0.05%F.S.	0.05%F.S.	
<b>Power parameters</b>					
Programming accuracy		1%F.S.	1%F.S.	1%F.S.	
Accuracy of measurement		1%F.S.	1%F.S.	1%F.S.	
Programming/measuring resolution		1W	1W	1W	
<b>Resistance parameters</b>					
Programming accuracy		1%+0.5%I.F.S.	1%+0.5%I.F.S.	1%+0.5%I.F.S.	
Measurement accuracy		1%+0.5%I.F.S.	1%+0.5%I.F.S.	1%+0.5%I.F.S.	
Programming/measuring resolution		0.001Ω	0.001Ω	0.001Ω	
<b>Other</b>					
Dimensions (W*H*D)		5kW~18kW:482.6mm x 132.5mm x 740.0mm, includes output shields			
Weight		5kW, 6kW≈18kg, 10kW, 12kW≈25kg, 15kW, 18kW≈32kg			