

Line up * Higher power specifications are not listed.

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

Specification table - 1

Model	HTRL-V08C150-502	HTRL-V1EC75-602	HTRL-V32C40-602	HTRL-V50C25-602
Voltage	80V	300V	500V	800V
Current	150A	75A	40A	25A
Resistance	0.02~106Ω	0.3~800Ω	0.5~2.5kΩ	1.2~6kΩ
Power	5kW	6kW		
Minimum on-load voltage	0.5V@150A	2V@75A	3.1V@40A	2.5V@25A
Current slope(Max)	75A/ms	37.5A/ms	20A/ms	12.5A/ms
Model	HTRL-V08C300-103	HTRL-V1EC150-123	HTRL-V32C80-123	HTRL-V50C50-123
Voltage	80V	300V	500V	800V
Current	300A	150A	80A	50A
Resistance	0.01~50Ω	0.15~400Ω	0.25~1.25kΩ	0.6~3kΩ
Power	10kW	12kW		
Minimum on-load voltage	0.5V@300A	2V@150A	3.1V@80A	2.5V@50A
Current slope(Max)	150A/ms	75A/ms	40A/ms	25A/ms
Model	HTRL-V08C450-153	HTRL-V1EC450-363	HTRL-V32C120-163	HTRL-V50C75-183
Voltage	80V	300V	500V	800V
Current	450A	225A	120A	75A
Resistance	0.006~35Ω	0.1~266Ω	0.16~833Ω	0.4~2kΩ
Power	15kW	18kW		
Minimum on-load voltage	0.5V@450A	2V@225A	3.1V@120A	2.5V@75A
Current slope(Max)	225A/ms	112.5A/ms	60A/ms	37.5A/ms
Model	HTRL-V08C900-303	HTRL-V08C900-303	HTRL-V32C240-363	HTRL-V50C150-363
Voltage	80V	300V	500V	800V
Current	900A	450A	240A	150A
Resistance	0.003~17Ω	0.05~133Ω	0.08~416Ω	0.2~1kΩ
Power	30kW	36kW		
Minimum on-load voltage	0.5V@900A	2V@450A	3.1V@240A	2.5V@150A
Current slope(Max)	450A/ms	225A/ms	120A/ms	75A/ms
Model	HTRL-V08C1350-453	HTRL-V1EC675-543	HTRL-V32C360-543	HTRL-V50C225-543
Voltage	80V	300V	500V	800V
Current	1350A	675A	360A	215A
Resistance	0.002~11Ω	0.03~88Ω	0.05~277Ω	0.1~666Ω
Power	45kW	54kW		
Minimum on-load voltage	0.5V@1350A	2V@675A	3.1V@360A	2.5V@215A
Current slope(Max)	675A/ms	337.5A/ms	180A/ms	107.5A/ms
Model	HTRL-V08C1800-603	HTRL-V1EC900-723	HTRL-V32C480-723	HTRL-V50C300-723
Voltage	80V	300V	500V	800V
Current	1800A	900A	480A	300A
Resistance	0.002~8.8Ω	0.025~66Ω	0.042~208Ω	0.1~500Ω
Power	60kW	72kW		
Minimum on-load voltage	0.5V@1800A	2V@900A	3.1V@480A	2.5V@300A
Current slope(Max)	900A/ms	450A/ms	240A/ms	150A/ms
Model	HTRL-V08C2250-753	HTRL-V1EC1125-903	HTRL-V32C600-903	HTRL-V50C375-903
Voltage	80V	300V	500V	800V
Current	2250A	1125A	600A	375A
Resistance	0.002~9Ω	0.02~53Ω	0.033~166Ω	0.08~400Ω
Power	75kW	90kW		
Minimum on-load voltage	0.5V@2250A	2V@1125A	3.1V@600A	2.5V@375A
Current slope(Max)	1125A/ms	562.5A/ms	300A/ms	187.5A/ms
Model	HTRL-V08C2700-903	HTRL-V1EC1350-1083	HTRL-V32C720-1083	HTRL-V50C450-1083
Voltage	80V	300V	500V	800V
Current	2700A	1350A	720A	450A
Resistance	0.001~6Ω	0.017~44Ω	0.027~138Ω	0.066~333Ω
Power	90kW	108kW		
Minimum on-load voltage	0.5V@2700A	2V@1350A	3.1V@720A	2.5V@450A
Current slope(Max)	1350A/ms	675A/ms	360A/ms	225A/ms
Model	HTRL-V08C3150-1053	HTRL-V1EC1575-1263	HTRL-V32C840-1263	HTRL-V50C525-1263
Voltage	80V	300V	500V	800V
Current	3150A	1575A	840A	525A
Resistance	0.001~4.4Ω	0.014~38Ω	0.024~119Ω	0.057~285Ω
Power	105kW	126kW		
Minimum on-load voltage	0.5V@3150A	2V@1575A	3.1V@840A	2.5V@525A
Current slope(Max)	1575A/ms	787.5A/ms	420A/ms	262.5A/ms
Model	HTRL-V08C3600-1203	HTRL-V08C4050-1353	HTRL-V32C960-1443	HTRL-V50C600-1443
Voltage	80V	300V	500V	800V
Current	3600A	1800A	960A	600A
Resistance	0.001~4.4Ω	0.013~33Ω	0.021~104Ω	0.05~250Ω
Power	120kW	144kW		
Minimum on-load voltage	0.5V@3600A	2V@1800A	3.1V@960A	2.5V@600A
Current slope(Max)	1800A/ms	900A/ms	480A/ms	300A/ms
Model	HTRL-V08C4050-1353	HTRL-V1EC2025-1623	HTRL-V32C1080-1623	HTRL-V50C675-1623
Voltage	80V	300V	500V	800V
Current	4050A	2050A	1080A	675A
Resistance	0.001~3.9Ω	0.011~30Ω	0.018~92Ω	0.044~222Ω
Power	135kW	162kW		
Minimum on-load voltage	0.5V@4050A	2V@2025A	3.1V@1080A	2.5V@675A
Current slope(Max)	2025A/ms	1012.5A/ms	54A/ms	337.5A/ms
Model	HTRL-V08C4500-1503	HTRL-V1EC2250-1803	HTRL-V32C1200-1803	HTRL-V50C750-1803
Voltage	80V	300V	500V	800V
Current	4500A	2250A	1200A	750A
Resistance	0.001~3.5Ω	0.01~26Ω	0.017~83Ω	0.04~200Ω
Power	150kW	180kW		
Minimum on-load voltage	0.5V@4500A	2V@2250A	3.1V@1200A	2.5V@750A
Current slope(Max)	2250A/ms	1125A/ms	600A/ms	375A/ms
Constant voltage①				
Resolution	16bits			
Precision	0.05%+0.05%F.S.			
Constant current①				
Resolution	16bits			
Precision	0.1%+0.1%F.S.			
Constant resistance①				
Resolution	0.001Ω			
Precision	1%+0.5%F.S.			
Constant power①				
Resolution	1W			
Precision	0.5%F.S.			
External analog programming①				
Resolution	0~5V corresponds to 0~100%F.S.			
Voltage precision	0.5%F.S.			
Current precision	0.5%F.S.			
Voltage measurement①				
Resolution	16bits			
Precision	0.05%+0.05%F.S.			
Current measurement①				
Resolution	16bits			
Precision	0.1%+0.1%F.S.			
Resistance measurement①				
Resolution	0.001Ω			
Precision	1%+0.5%F.S.			
Power measurement①				
Resolution	1W			
Precision	0.5%F.S.			
Transient response	The response time is less than 2ms			
Parallel operation	Supports 10 masters and slaves of the same model with capacity 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 (Optional)			
Input characteristic				
Input voltage	340VAC~480VAC, frequency range 45Hz~63Hz			
Power factor	0.99 (typical value)			
Efficiency	>93% (typical value)			
Use environment				
Operating temperature	0°C~40°C			
Storage temperature	-20°C~70°C			
Use altitude	<2000m			
Heat dissipation method	Air-cooled, intelligent air control			
Dimension(WxHxD)	5kW~18kW: 482.6mm x 132.5mm x 740.0mm, includes output protection cover			
Weight	5kW=18kg, 10kW=25kg, 15kW=32kg			

Specification table - 2

Model	HTRL-V64C40-123	HTRL-V96C40-183	HTRL-VE1C25-183
Voltage	1000V	1500V	2250V
Current	40A	40A	25A
Resistance	1~5kΩ	1.5~7.5kΩ	3.6~18k
Power	12kW	18kW	
Minimum on-load voltage	6.2V@40A	9.3V@40A	7.5V@25A
Current slope(Max)	20A/ms	20A/ms	12.5A/ms
Model	HTRL-V64C80-243	HTRL-V96C80-363	HTRL-VE1C50-363
Voltage	1000V	1500V	2250V
Current	80A	80A	50A
Resistance	0.5~2.5kΩ	0.75~7.5kΩ	1.8~9kΩ
Power	24kW	36kW	
Minimum on-load voltage	6.2V@80A	9.3V@80A	7.5V@50A
Current slope(Max)	40A/ms	40A/ms	25A/ms
Model	HTRL-V64C120-363	HTRL-V96C120-543	HTRL-VE1C75-543
Voltage	1000V	1500V	2250V
Current	120A	120A	75A
Resistance	0.33~1.6kΩ	0.5~2.5kΩ	1.2~6kΩ
Power	36kW	54kW	
Minimum on-load voltage	6.2V@120A	9.3V@120A	7.5V@75A
Current slope(Max)	60A/ms	60A/ms	37.5A/ms
Model	HTRL-V64C160-483	HTRL-V96C160-723	HTRL-VE1C100-723
Voltage	1000V	1500V	2250V
Current	160A	160A	100A
Resistance	0.25~1.25kΩ	0.375~1.875kΩ	0.9~4.5kΩ
Power	48kW	72kW	
Minimum on-load voltage	6.2V@160A	9.3V@160A	7.5V@100A
Current slope(Max)	80A/ms	80A/ms	50A/ms
Model	HTRL-V64C200-803	HTRL-V96C200-903	HTRL-VE1C125-903
Voltage	1000V	1500V	2250V
Current	200A	200A	125A
Resistance	0.2~1kΩ	0.3~1.5kΩ	0.72~3.6kΩ
Power	60kW	90kW	
Minimum on-load voltage	6.2V@200A	9.3V@200A	7.5V@125A
Current slope(Max)	100A/ms	100A/ms	62.5A/ms
Model	HTRL-V64C240-723	HTRL-V96C240-1083	HTRL-VE1C150-1083
Voltage	1000V	1500V	2250V
Current	240A	240A	150A
Resistance	0.166~800Ω	0.25~1.25kΩ	0.6~3kΩ
Power	72kW	108kW	
Minimum on-load voltage	6.2V@240A	9.3V@240A	7.5V@150A
Current slope(Max)	120A/ms	120A/ms	75A/ms
Model	HTRL-V64C280-843	HTRL-V96C280-1263	HTRL-VE1C175-1263
Voltage	1000V	1500V	2250V
Current	280A	280A	175A
Resistance	0.143~714Ω	0.214~1.07kΩ	0.514~2.5kΩ
Power	84kW	126kW	
Minimum on-load voltage	6.2V@280A	9.3V@280A	7.5V@175A
Current slope(Max)	140A/ms	140A/ms	87.5A/ms
Model	HTRL-V64C320-963	HTRL-V96C320-1443	HTRL-VE1C200-1443
Voltage	1000V	1500V	2250V
Current	320A	320A	200A
Resistance	0.125~625Ω	0.188~938Ω	0.45~2.25kΩ
Power	96kW	144kW	
Minimum on-load voltage	6.2V@320A	9.3V@320A	7.5V@200A
Current slope(Max)	160A/ms	160A/ms	100A/ms
Model	HTRL-V64C360-1083	HTRL-V96C360-1623	HTRL-VE1C225-1623
Voltage	1000V	1500V	2250V
Current	360A	360A	225A
Resistance	0.11~555Ω	0.167~833Ω	0.4~2kΩ
Power	108kW	162kW	
Minimum on-load voltage	6.2V@360A	9.3V@360A	7.5V@225A
Current slope(Max)	180A/ms	180A/ms	112.5A/ms
Model	HTRL-V64C400-1203	HTRL-V96C400-1803	HTRL-VE1C250-1803
Voltage	1000V	1500V	2250V
Current	400A	400A	250A
Resistance	0.1~500Ω	0.15~750Ω	0.36~1.8kΩ
Power	120kW	180kW	
Minimum on-load voltage	6.2V@400A	9.3V@400A	7.5V@250A
Current slope(Max)	200A/ms	200A/ms	125A/ms
Constant voltage①	16bits		
Resolution	16bits		
Precision	0.05%+0.05%F.S.		
Constant current①	16bits		
Resolution	16bits		
Precision	0.1%+0.1%F.S.		
Constant resistance①	0.001Ω		
Resolution	1%+0.5%F.S.		
Precision	1%+0.5%F.S.		
Constant power①	1W		
Resolution	1%F.S.		
Precision	1%F.S.		
External analog programming①			
Resolution	0~5V corresponds to 0~100%F.S.		
Voltage precision	0.5%F.S.		
Current precision	0.5%F.S.		
Voltage measurement①	16bits		
Resolution	0.05%+0.05%F.S.		
Precision	0.05%+0.05%F.S.		
Current measurement①	16bits		
Resolution	0.1%+0.1%F.S.		
Precision	0.1%+0.1%F.S.		
Resistance measurement①	0.001Ω		
Resolution	1%+0.5%F.S.		
Precision	1%+0.5%F.S.		
Power measurement①	1%F.S.		
Precision	1%F.S.		
Transient response	The response time is less than 2ms		
Parallel operation	Supports 10 masters and slaves of the same model with capacity expansion		
Protection	Over-voltage, over-current, over-power, over-temperature, under-voltage, etc.		
Communication interface	LAN, USB series port (Optional GPIB, CAN, RS485)		
Communication protocol	SCPI, MODBUS, CAN-Open protocols (Optional)		
Input characteristic			
Input Voltage	340VAC~480VAC, frequency range 45Hz~63Hz		
Power factor	0.99 (typical value)		
efficiency	>93% (typical value)		
Use environment			
Operating temperature	0°C~40°C		
Storage temperature	-20°C~70°C		
Use altitude	<2000m		
Heat dissipation method	Air-cooled, intelligent air control		
Dimension(WxHxD)	5kW~18kW: 482.6mm x 132.5mm x 740.0mm, includes output protection cover		
Weight	5kW≈18kg, 10kW≈25kg, 15kW≈32kg		