

DC Intelligent Load

STLD-DC1000V/750V-30KW-AT-R



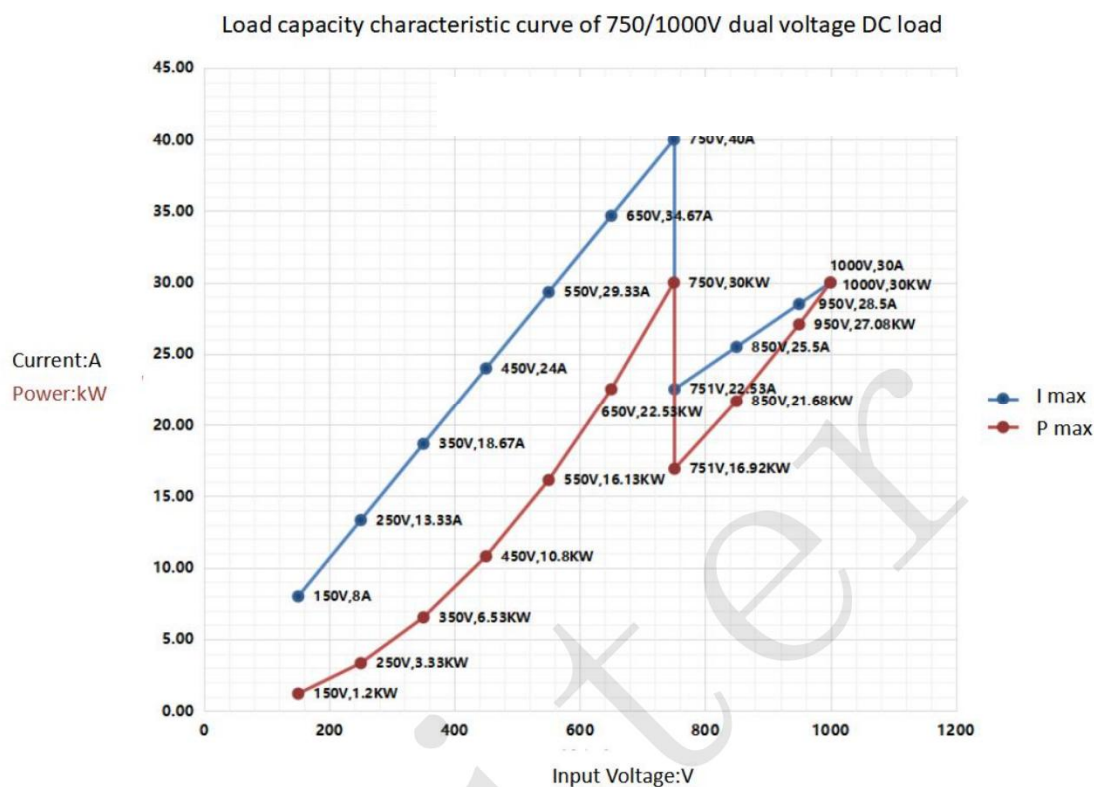
Product overview

Saiter DC intelligent load adopts an 8U standardized module design, which can be installed in both a standard cabinet for laboratory testing and a portable box for rapid on-site construction of a test system, which is convenient to carry. It can be used in parallel with multiple modules, and the power supply between modules can be cascaded with special cables, which is convenient to use. It has short circuit, overtemperature, overvoltage and overcurrent protection functions, which is safe and reliable. It can be combined with the standard 4U DC electric vehicle simulation module according to customer needs, which is economical and practical.

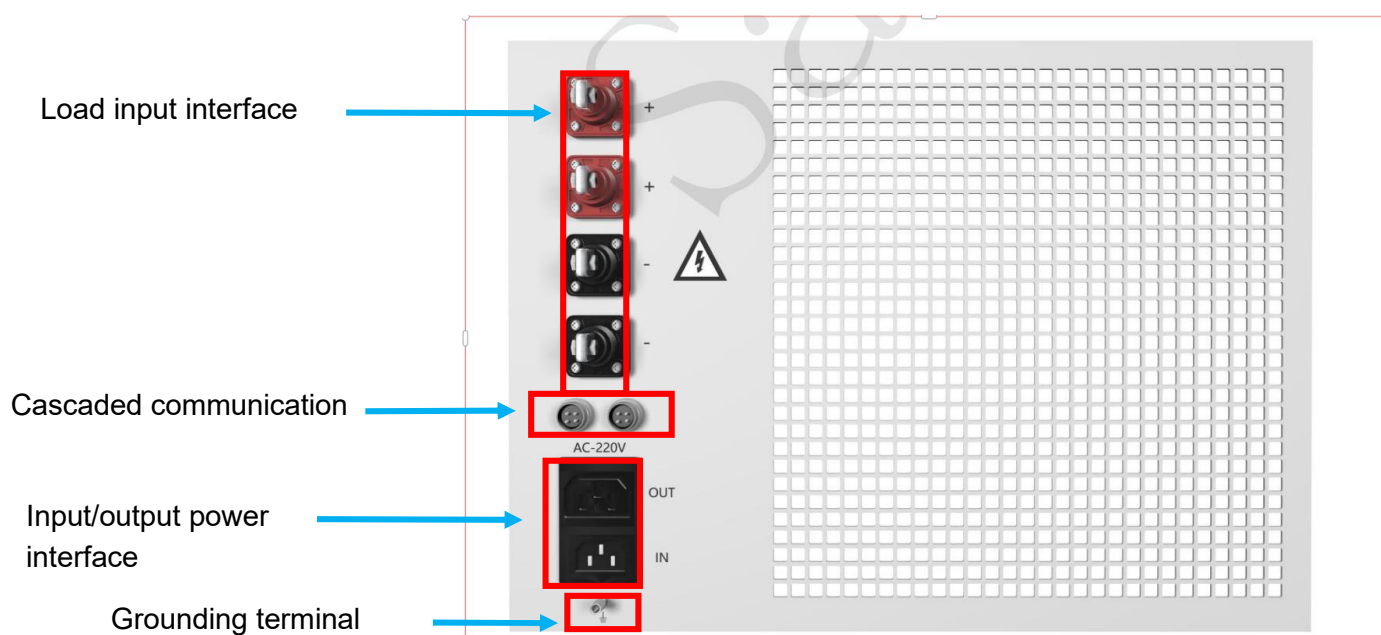
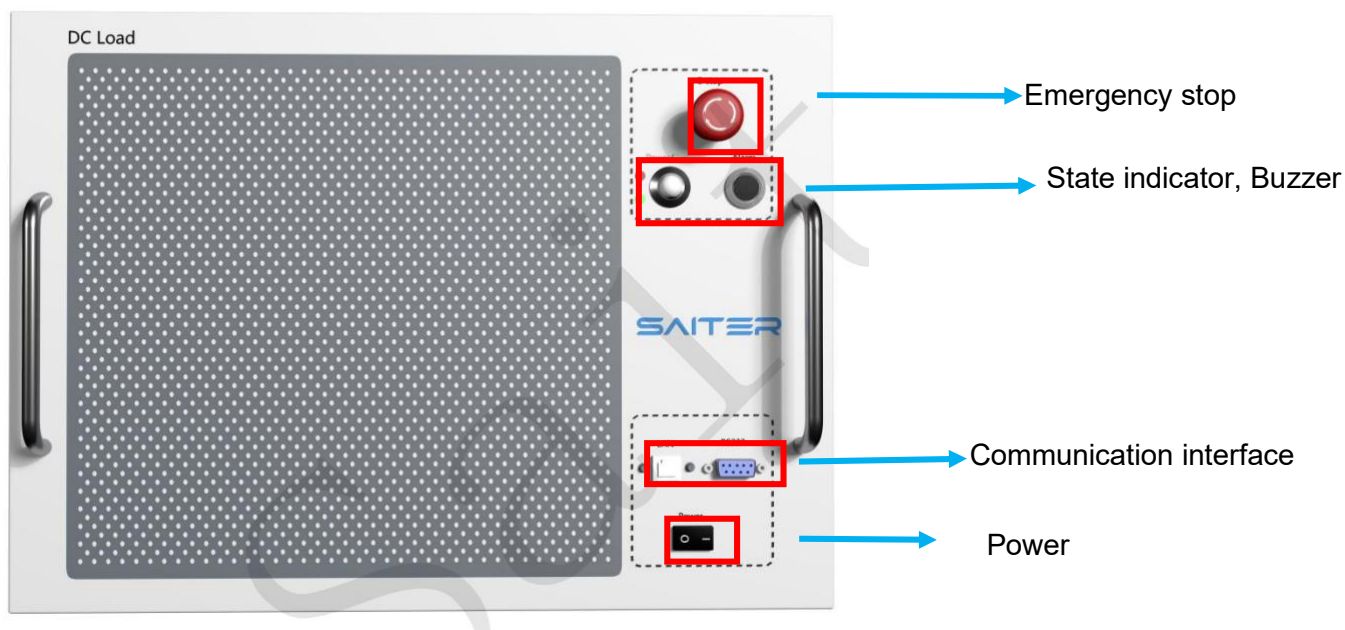
Products technical parameters

Product Name	DC Intelligent Load
Model	STLD-DC1000V/750V-30KW-AT-R
Rated Power	30KW, support cascade to increase power
Rated Frequency	50Hz
Load nominal voltage	DC0-1000V
Step power	500W (at 1000V)
Step-up adjustable current	0.5A (at 1000V)
Control	Screen / upper computer programming CAN
Screen	7' touch screen(optional)
Protection	Overvoltage, overcurrent, overload, short circuit
Input way	Terminal blocks
Power supply	220 Vac $\pm$ 10% 50 / 60Hz
Dimension	W483 * D557 * H355 mm (without the black case) / W585 * D615 * H435 mm (including the black case)
Noise	$\leq$ 85dB
Environment requirement	Working temperature: - 20℃~50℃ Storage temperature: - 30℃~70℃ Relative humidity: $\leq$ 90% Rh (10℃ to 30℃); $\leq$ 75% Rh (30℃ to 40℃); $\leq$ 45% Rh (40 to 50℃)

Software interface introduction

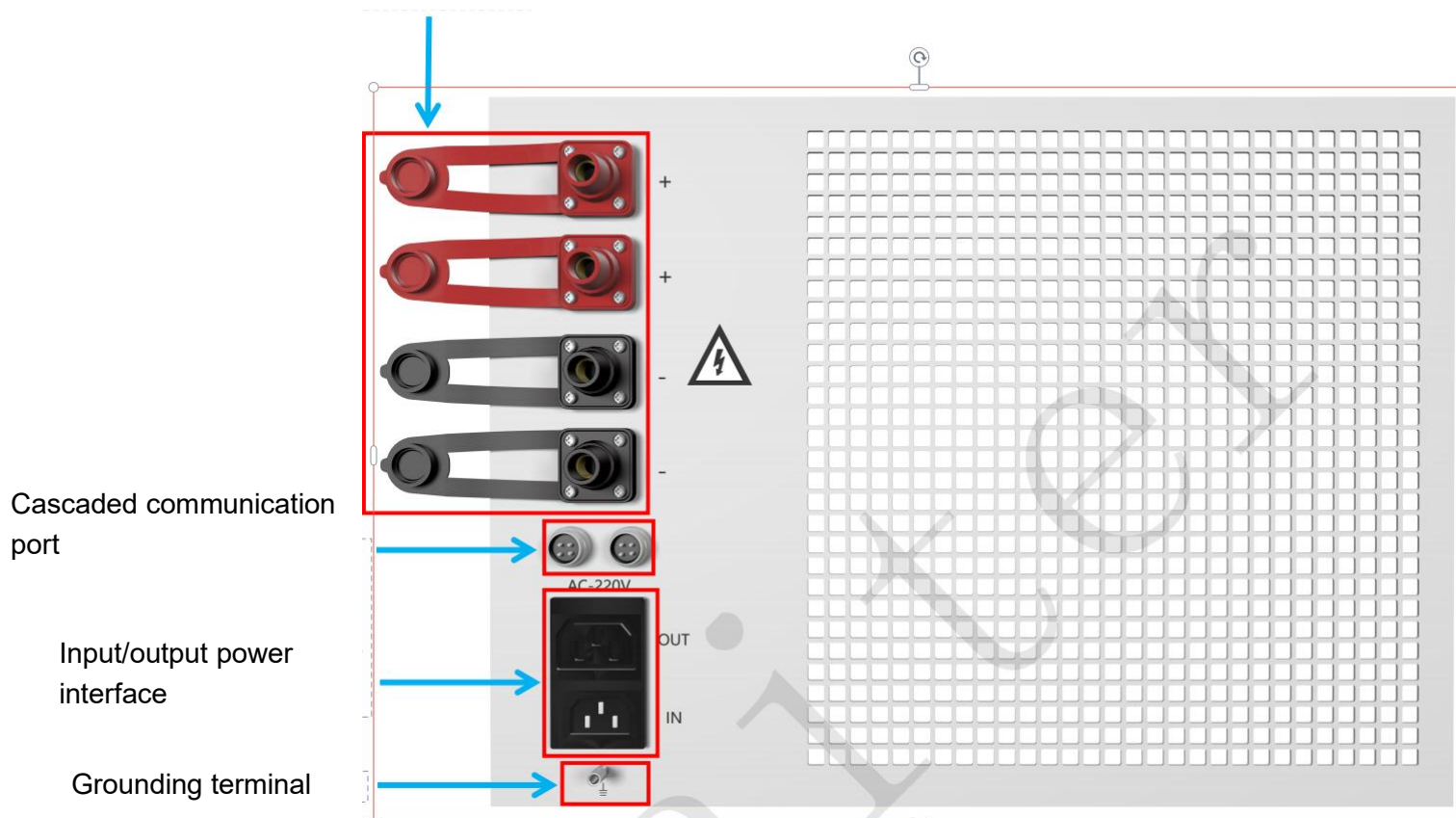


Operation panel



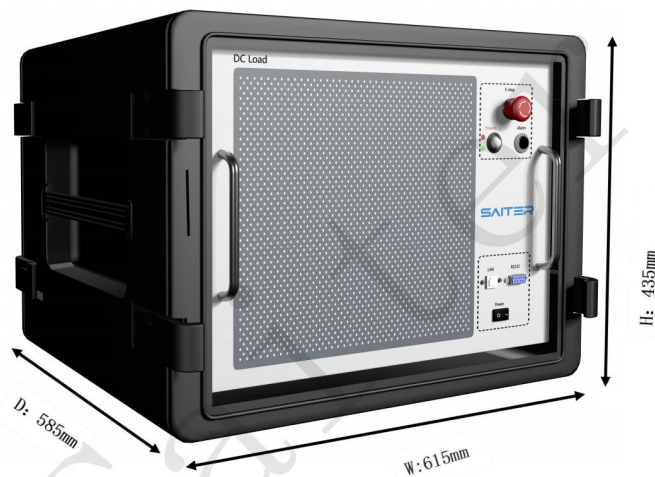
Note: The input connector on the rear panel is the input specification that integrates the load into the cabinet.

Load input interface



Note: The rear panel input connector is the input specification used for the load separately with the tester.

Appearance size





Program interface:

Touch scree (optional) interface:

DC Load
SAITER

Actual Voltage	:	V	Actual Current	:	A
Actual Power	:	KW	Actual Resistance	:	Ω
Charging Demand Power:		KW	Demand Rresistance:		Ω

Charging Demand Voltage: V
 Charging Demand Current: A

OK

System
State

Communica-
tion Status

Over Tempera-
ture Alarm

Module
Selection

Program of computer interface:

Program-controlled load
— □ ×

System
AC/DC
Port configuration
Connect
Parameter setting
Language

Input voltage(V): 0.00	Actual Power(kW): 0.00	Required voltage(V): 0.00
Input current(A): 0.00	Actual resistance(Ω): 0.00	Required current(A): 0.00

System parameters
Module parameters

DC load system parameter display

Required resistance(Ω): 0.00	Required power(kW): 0.00	Number of online modules: 0.00
Required voltage(V): 0.00	Required current(A): 0.00	

Load setting

750	V	3	A	Setting
750	V	100	Ω	Setting
750	V	30	kW	Setting

Start
Stop

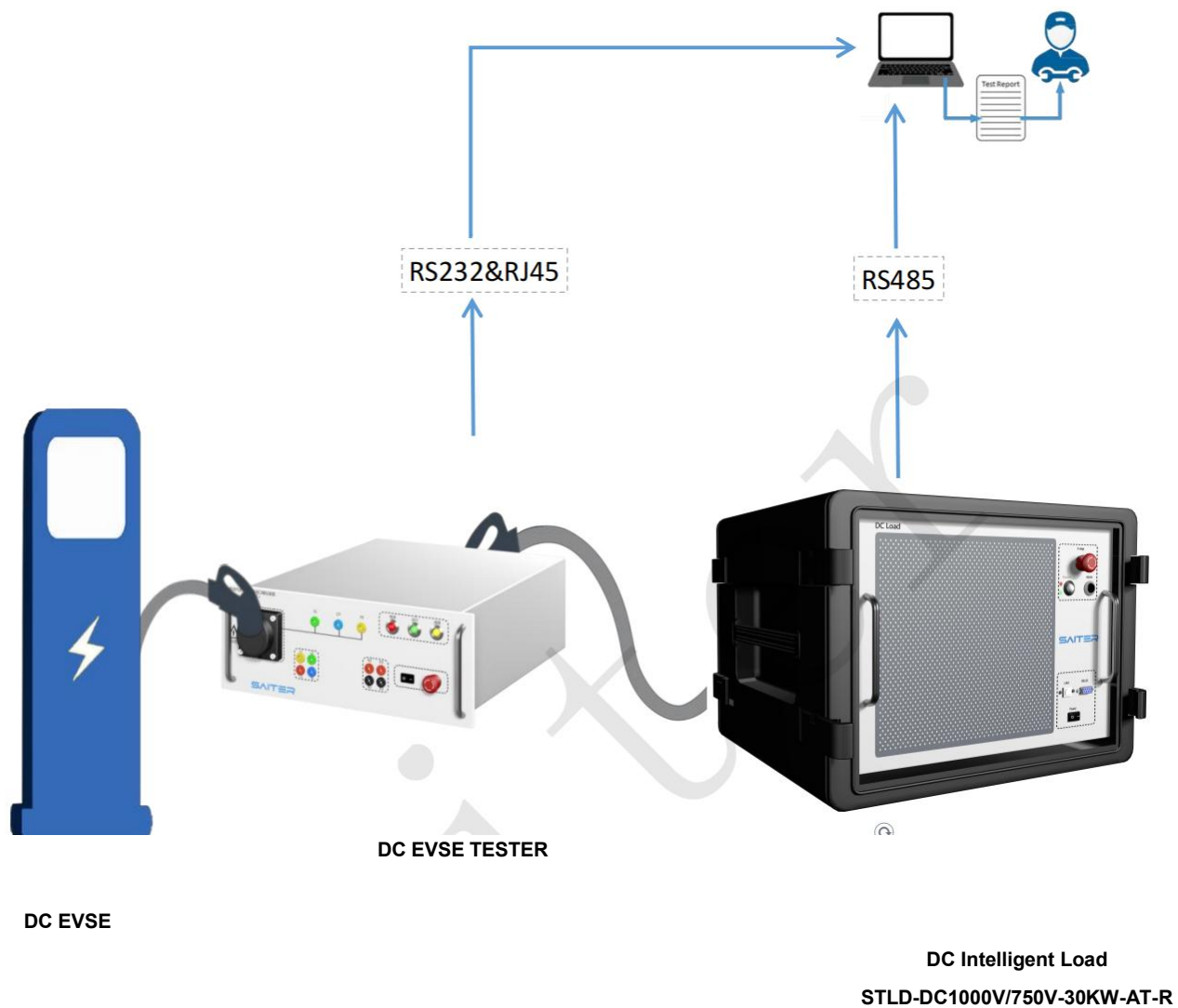
Screen control enable ☐
EMS control enable ☐

Load upper and lower limit setting

90.00	kW	Max. power	90.00	kW	Min. power
380.00	V	Max. voltage	380.00	V	Min. voltage
100.00	A	Max. current	100.00	A	Min. current
30.00	Ω	Max. resistance	30.00	Ω	Min. resistance
50.00	$^{\circ}\text{C}$	Alarm temperature	☐ Enable upper and lower limit settings		

Not connected

Product application:



Product accessories list in package:

NO	Product name	Model	Unit	Qty	Whether Consumable	Guarantee period	Remarks
1	Communication line	UT-890ARS-485	1	1			
2	Communication line	RS-485 male-to-female cable 0.5m	1	1			
3	Power line	Power cord 250V10A-180° plug 3*1.5mm2					

Package photo:

