



Three Phase Power Controller

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ASR-002 Three Phase Power Controller

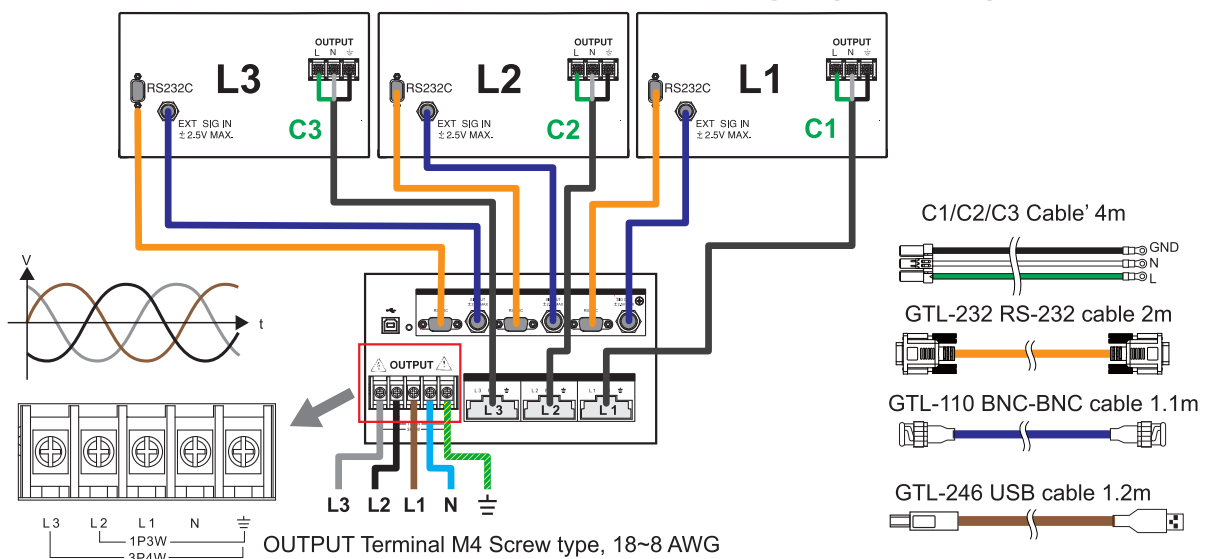


ASR-002, which is a three-phase power controller, is able to control up to 3 single-phase power supply units (ASR series only).

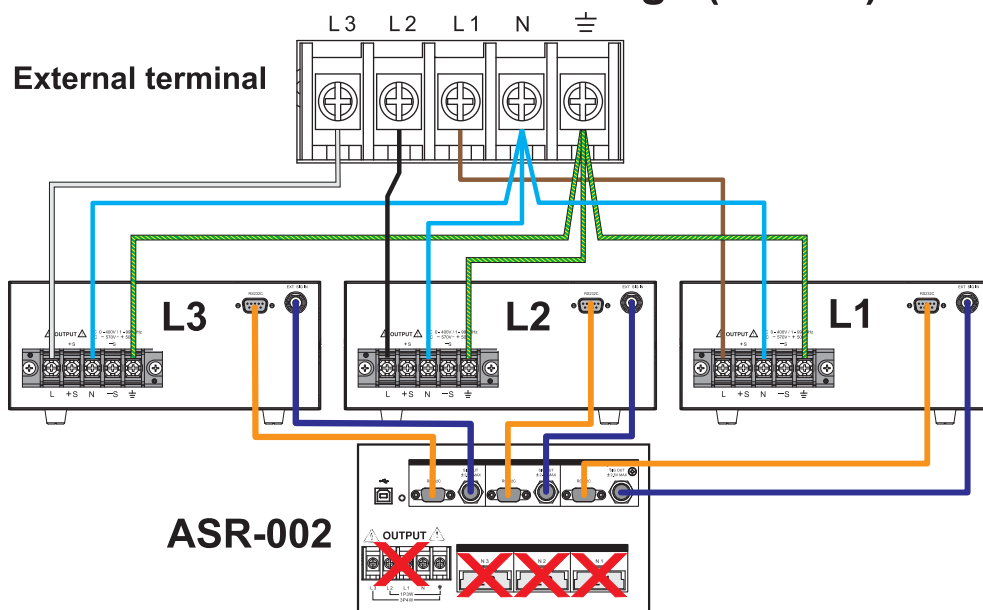
It effectively makes AC output conformed to 1P3W/3P4W that generally unit requires, and also turns output into 3P3W via designated wire method.

When the select single-phase power is greater than the capacity of 2kVA, it is suggested that output should be connected to the external terminal for safety consideration.

Three-Phase Wire Connection Image ($\leq 2\text{kVA}$)



Three-Phase Wire Connection Image ($> 2\text{kVA}$)



원문: GW Instek ASR-2000 ASR-002 3상 파워컨트롤 Brochure · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.



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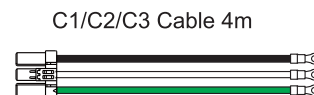
AC Mode: 40.00 Hz to 999.9 Hz

Support single-phase three-wire (1P3W), three-phase three-wire (3P3W), three-phase four-wire (3P4W) output mode.

Model	Connection	Voltage range	Output voltage
ASR-2000	1P3W(L-L)	100V Range	0~ 350 Vrms
		200V Range	0~ 700 Vrms
	3P4W(L-L)	100V Range	0~ 303 Vrms
		200V Range	0~ 606 Vrms
ASR-3000	1P3W(L-L)	100V Range	0~ 400 Vrms
		200V Range	0~ 800 Vrms
	3P4W(L-L)	100V Range	0~ 346 Vrms
		200V Range	0~ 692 Vrms

Accessories

GTL-232 x 3	RS232C cable, approx. 2m
GTL-110 x 3	BNC test lead, approx 1.1m
GTL-246 x 1	USB Cable (USB 2.0 Type A- Type B Cable, Approx. 1.2m)
40WC792030011 x 3	C1/C2/C3 Cable, 4m Max Length, UL1015 12AWG, RV5-5, Hirose DF22-4S 7.92C(28) 3P + DF22A-1012SCF



When connecting the ASR series to ASR-002 to supply three-phase power, the following functions are limited.

- 1) No DC Output(100% of Rated Power).
- 2) Measurement Items: only current(A), power(W) and PF for each phase.
- 3) No voltage and current Harmonic Analysis(THDv, THDi)
- 4) No Remote Sensing Capability
- 5) No Arbitrary Waveform Function
- 6) No Sequence and Simulation Function(up to 10 sets)
- 7) Interface: only support USB
- 8) Not supported Built-in External Control I/O
- 9) No memory Function(up to 10 sets)
- 10) No LAN port(Built-in Web Server)

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1P3W, 3P3W, and 3P4W

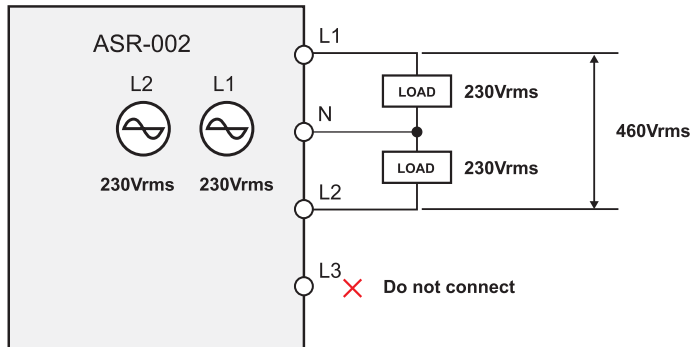
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Take 230V voltage output from ASR-Series as illustrations:

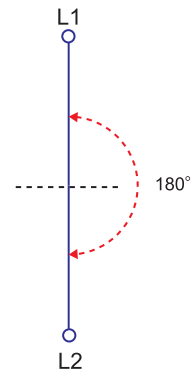
Single-Phase

1P3W



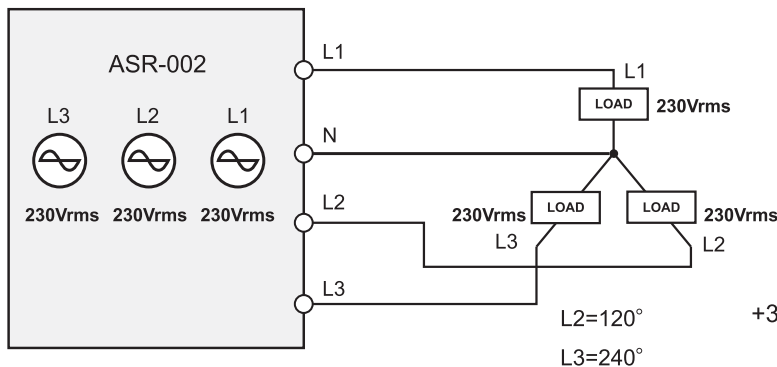
Phase Setting:

L2 Phase setting range: 180° fixed.



Three-Phase

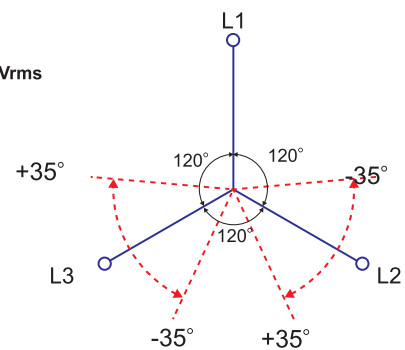
3P4W WYE (Star) connection



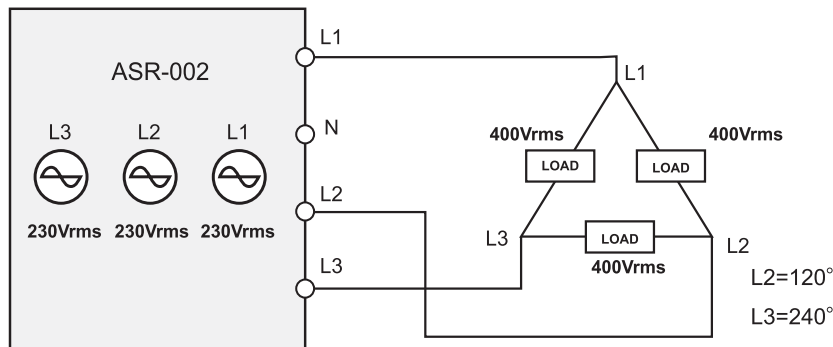
Phase Shift Setting

L2 Phase setting range: 85° - 155°

L3 Phase setting range: 205° - 275°.



3P3W Delta connection

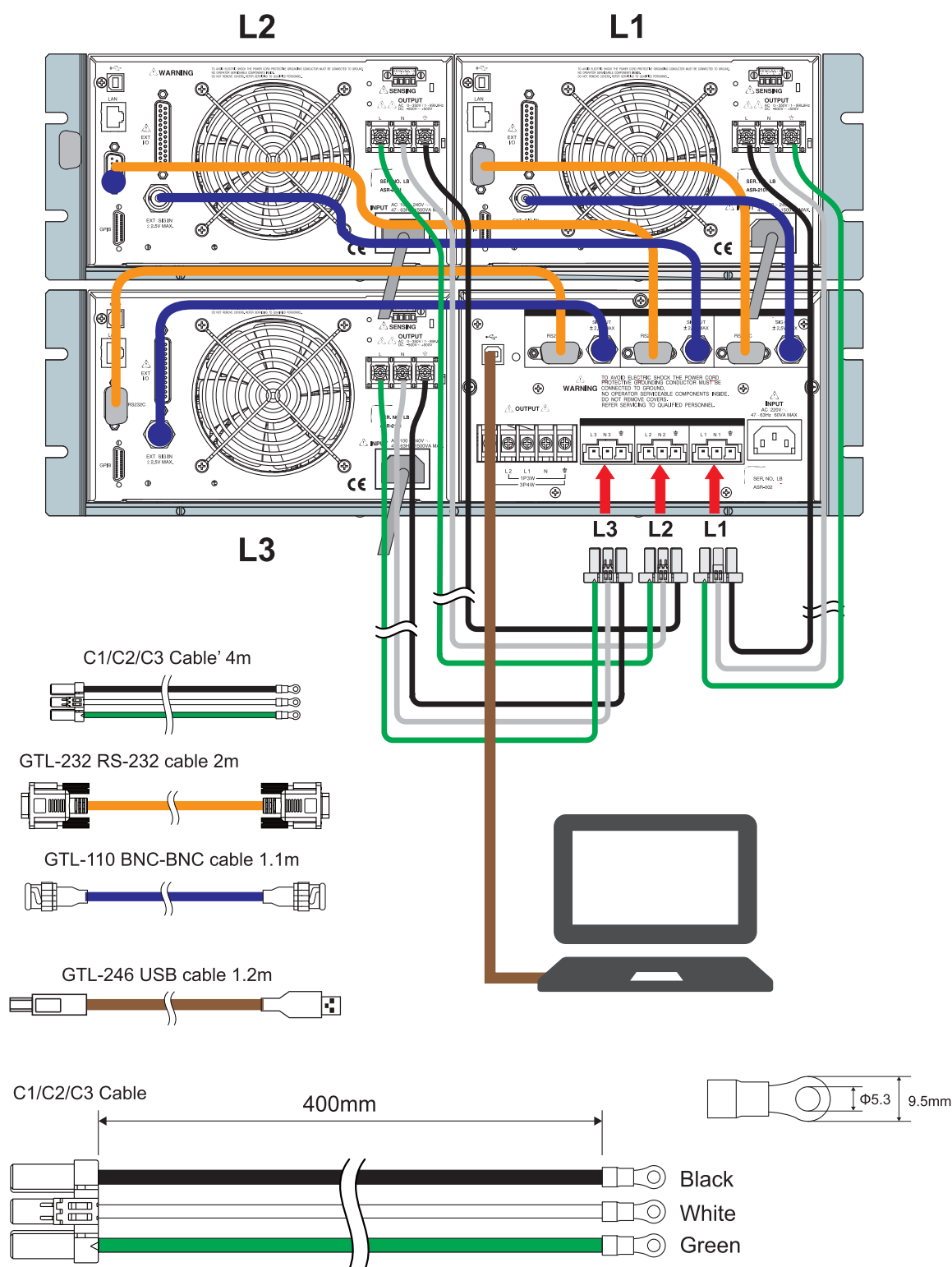


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Wire Connection

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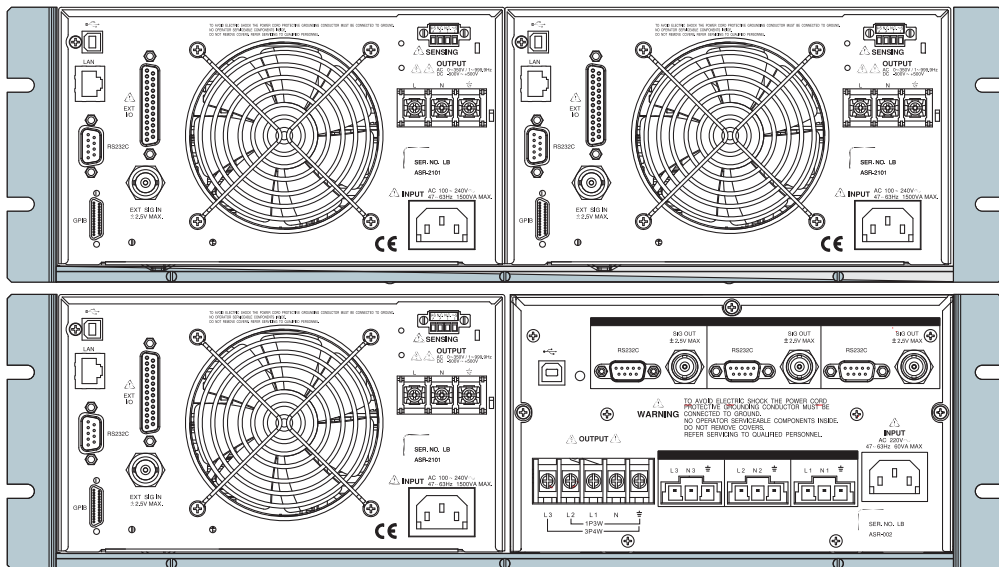
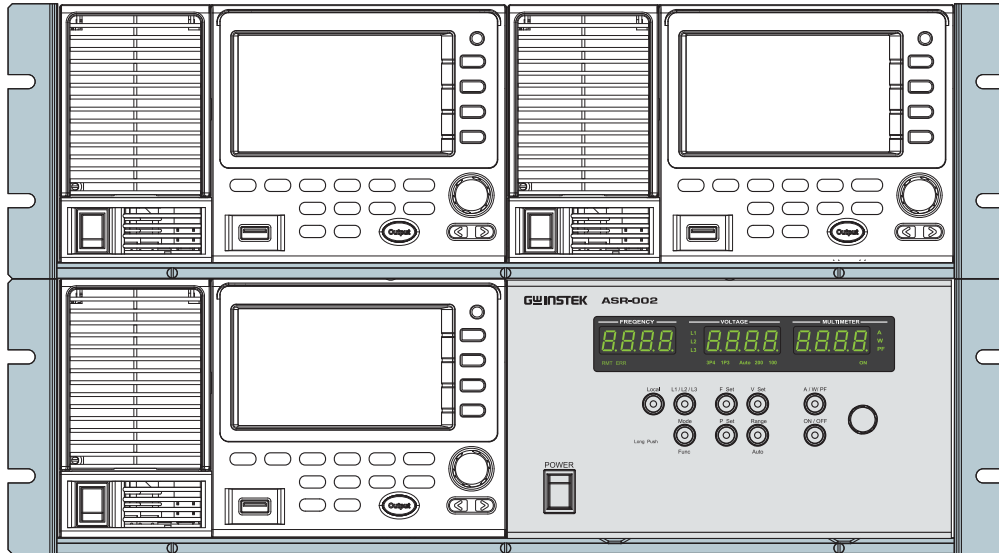
ASR-2000R and ASR-002

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Example: GRA-439-E Rack Mount Kit(EIA)



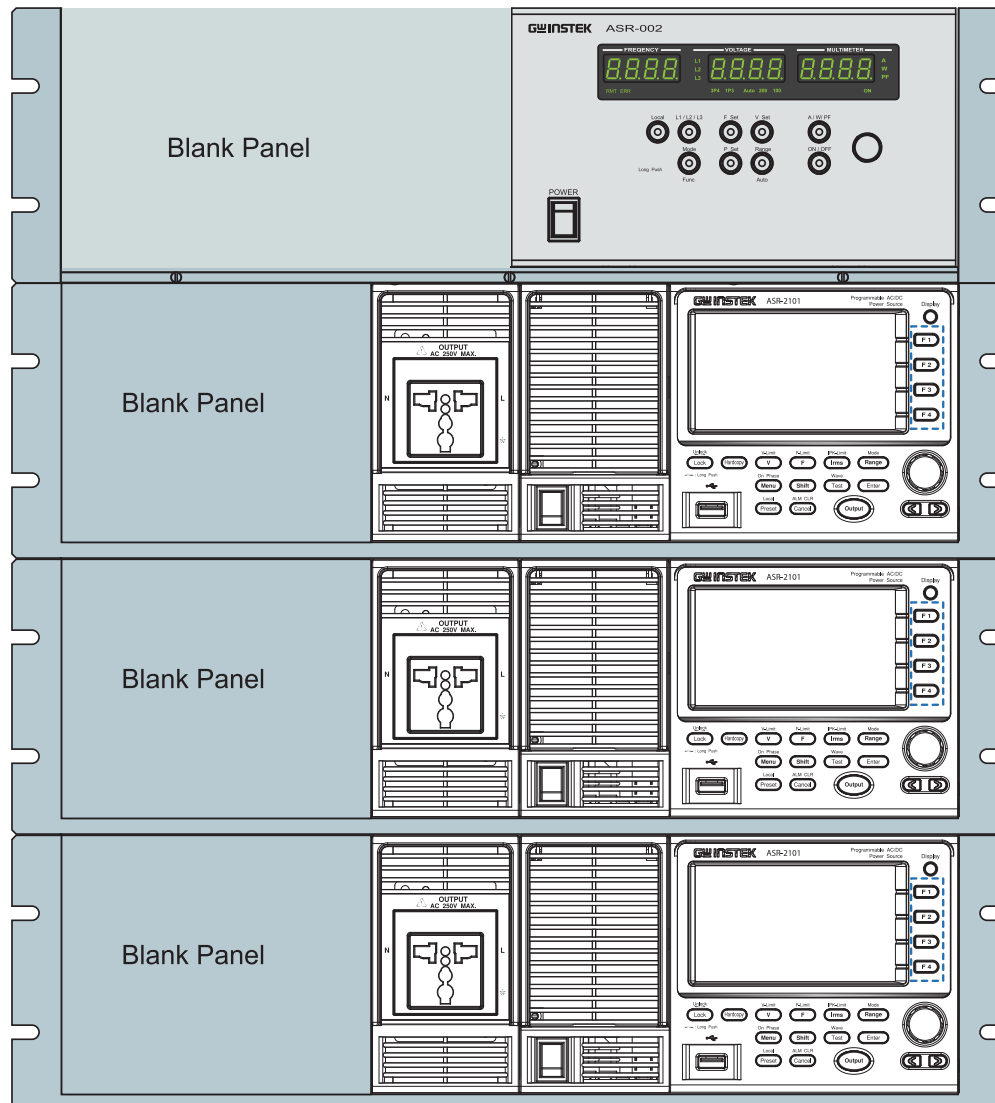
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ASR-2000 and ASR-002

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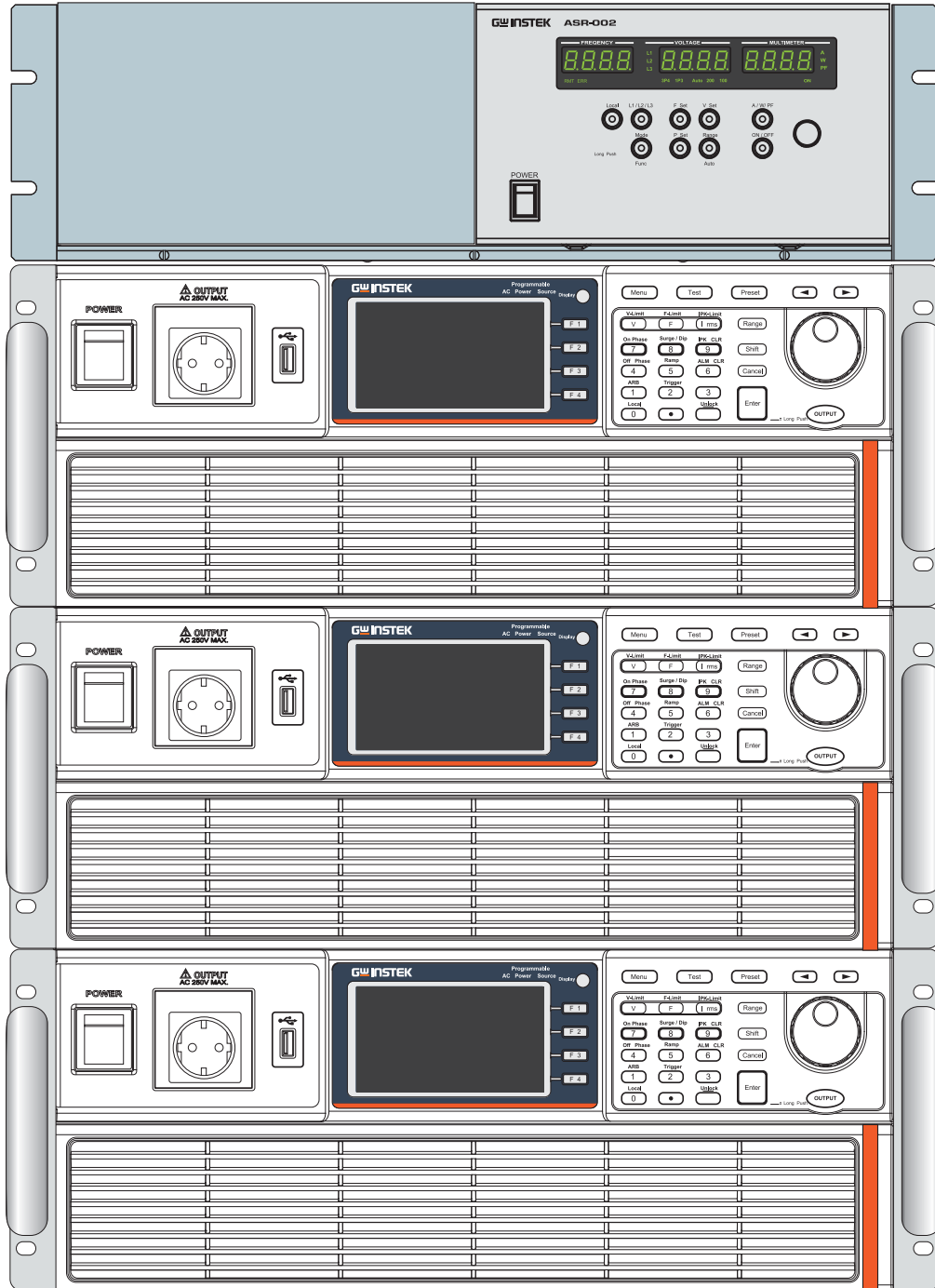
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ASR-3000 and ASR-002

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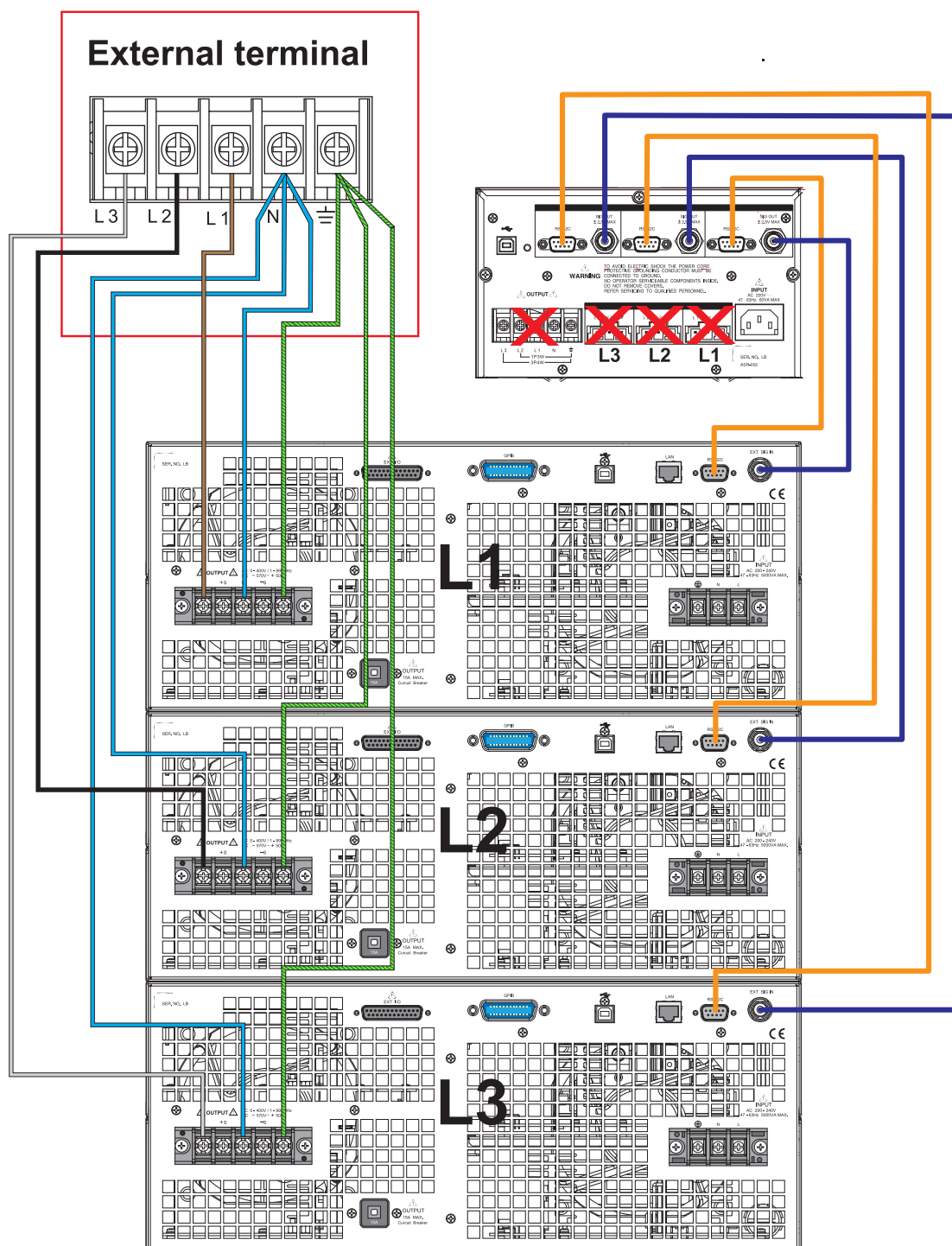
ASR-3000 and ASR-002

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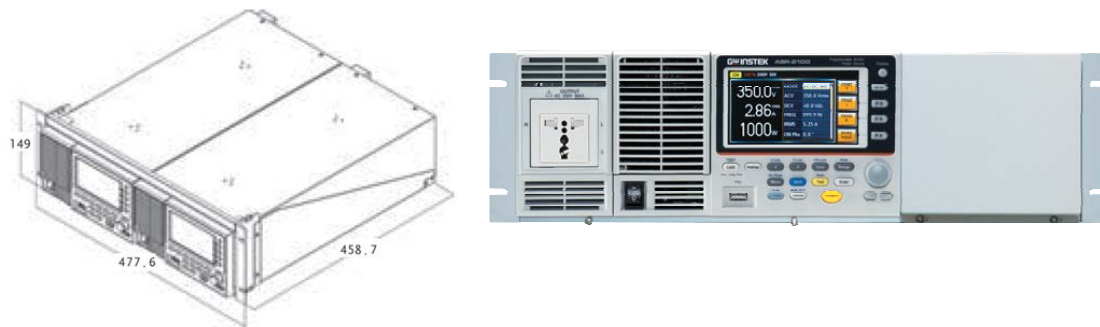
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ASR-3300/3400 and ASR-002



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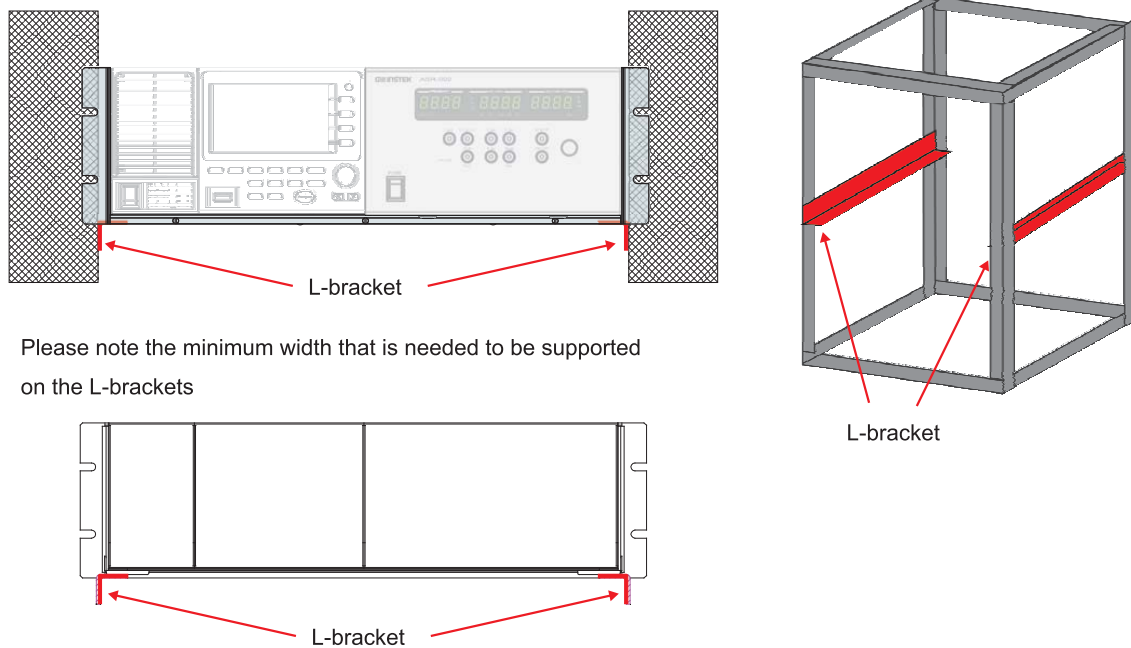
GRA-439-E Rack Mount Kit(EIA)



ASR-3000 Standard Accessory: GRA-442-E Rack Mount Adapter(EIA)



Rack installation Diagram



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