What should a level 3 distribution box be equipped with

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	Secondary distribution box: from the power line of primary distribution box to temporary power. Level III distribution box: control cabinet of electrical equipment.
	Designed for local control with strict safety standards, such as "one device, one circuit breaker, one residual current device, and one box." May include both fixed and portable boxes, ensuring individual ...
	The low-voltage power supply system at the construction site shall be equipped with a general distribution box, a distribution box and a switch box to implement three-level power distribution.
	The minimum size of main service is 100A, 120V, 3-wires (Hot as black or red, Neutral as White and Ground as green/yellow or bare conductor) for a one-family residence.
	Install the Level 3 surge protection device inside the equipment or at the equipment''s power supply input, especially for critical or sensitive electronic devices.

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	Follow key principles: no cross-level wiring, one machine-one switch, ≤30m box spacing, dry/ventilated installation for safe distribution.
	As for the equipment inside, there are certain differences: the first level distribution cabinet generally has isolation switches, circuit breakers, leakage protectors, etc., the second level ...
	You can''t install feeder and branch-circuit conductors in the same raceway, cable, handhole enclosure, or underground box with service conductors [230.7]. Doing this would bypass the feeder or branch ...
	Inside the box, you''ll find things like circuit breakers, busbars, terminal blocks, and wires. These parts control and distribute the electricity to different circuits safely.
	In the power distribution cabinet, the number and configuration of current transformers are different, and they have different functions and application scenarios.

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