

Mix Parallel Unit (LV)

The GW12/2-MPU-LVO-G10 is a low-voltage battery mix parallel unit designed to support flexible O&M for existing installations. It supports mixing two different low-voltage batteries, including new and old batteries within the same series, helping installers simplify battery replacement without replacing the full battery set. With two battery inputs and one inverter output, it supports up to 30 battery clusters in parallel and up to 12kW output, with IP65 protection for reliable wall-mounted installation.



Flexible mixing across GoodWe low-voltage battery series*



Mixes new and old batteries in the same series



Dual battery inputs for up to 30 parallel clusters



Up to 12kW maximum output.



Supports battery mixing with busbars and combiner boxes



Compatible with ES Uniq and ET LV

Technical Data

GW12/2-MPU-LVO-G10

Battery Voltage Range (V)	40 ~ 60
Max. Single-port Input Current (A)	200
Max. Output Current (A)	240
Max. Single-port Input Power (kW)**	10
Max. Output Power (kW)**	12
Peak Output Power (kW)	18 (10S)
Number of Input Power Ports	2
Number of Output Power Ports	1
Operation Temperature Range (°C)	-30 ~ +65
Relative Humidity	5% ~ 95%
Max. Operating Altitude (m)	4000
Communication	CAN
Number of Input Communication Ports	2
Number of Output Communication Ports	1
Weight (kg)	≤10
Dimensions (H × W × D mm)	334 × 539 × 132
Maximum Number of Batteries Supported in Parallel ²	30P
Ingress Protection	IP65
Storage Temperature (°C)	-40 ~ +85
Mounting Method	Wall-Mounted

*1: Max. Single-port Input Power/Max. Output Power derating will occur related to Temperature and State of Charge (SOC) of battery products.

*2: The maximum number of batteries that can be connected in parallel is determined by the total capacity supported across all input ports. Additionally, the maximum parallel capacity per individual port is constrained by the specified maximum parallel capacity of the battery model.

*: Supports selected GoodWe LV batteries. Regional availability varies—consult local sales for compatibility details.

*: Please visit GoodWe website for the latest certificates.