

All-in-One ESS 7.2 kW / 12 kW / 16 kWh Split Phase

ESSMEZIC | All-in-One Energy Storage System | Model: All in One ESS 7.2KW 12KW 16KWh Split Phase

Split-phase all-in-one energy storage system, 7.2 or 12 kW with 16 kWh, LFP cells and solar charging.

Power	7.2 / 12 kW
Energy	16 kWh
Configuration	Split phase
Cells	LFP (LiFePO4)

Technical specifications

Product	All in One ESS 7.2KW 12KW 16KWh Split Phase
Power ratings	7.2 kW and 12 kW
Energy capacity	16 kWh
Electrical configuration	Split phase (as named by the manufacturer)
Battery cells	LFP (LiFePO4)
Protection	Electrical isolation; external short-circuit protection
Expansion	Stackable energy storage
Solar charging	Can be used with photovoltaic modules to charge its battery
Backup	Automatic switch to backup power on grid failure (per manufacturer)
Nominal voltage, dimensions, weight, operating modes, per-variant pairing	Not specified in the available manufacturer documentation.

Features

- **High energy density:** Efficient energy utilization as described by the manufacturer.
- **LFP cells:** LFP (LiFePO4) battery cells.
- **Safety protections:** Electrical isolation and external short-circuit protection.
- **Stackable:** Stackable energy storage.
- **Solar charging:** Works with photovoltaic modules to charge itself.
- **Automatic backup:** Switches to backup power automatically when the grid fails, per the manufacturer.

Source and notice

This specification sheet was compiled by Samaa Bitwen Company on 2026-10-28 from the manufacturer's public product page: <https://www.essmezic.com/All-in-One-ESS-7-2KW-12KW-16KWh-Split-Phase-PG12076762>. It is not an official manufacturer datasheet. Fields the manufacturer does not publish are marked as such. Please confirm details with the manufacturer before purchase.

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