

SETEC Power "Vehicle to Home" supply AC power for you from Nissan Leaf



Vehicle to Home Definition

“Vehicle to Home” (shorts of ‘V2H’) is a device that helps you to get power from EV car’s (Nissan Leaf) battery to supply your home application (single phase AC load).

You can charge your Nissan leaf car at night when electricity is sufficient and supply AC

power for home use at day time through this V2H converting Nissan leaf car's battery. The V2H device helps alleviate consumption of power in peak periods when demand is highest. It helps you to save money at the same time. Further more, it can also be leveraged as backup power supply for emergencies.

Technology Functionality

To use the electricity stored in the Nissan LEAF lithium-ion battery as household power, it is necessary to convert the DC high-voltage electricity to fixed AC voltage (for example, single phase AC110V/AC120V /AC220V/AC230V). The Nissan LEAF EV lithium-ion battery has large capacity and high reliability, meaning it can provide a stable power supply.

EV Power Station : Specifications

Input voltage range: Maximum DC 450V

Output voltage: Single phase, AC230V

Output current range: AC 20A/38A

Peak power output: 6kva

Conversion efficiency: 92%

V2H Device connection process:

- 1) Connects CHAdeMO connector to Nissan Leaf socket and V2H input port





2) Press 'POWER' button (red button) to 'on', then press 'START STOP' button,

V2H works, whole system works. If need to stop V2H in emergency, press the big 'EMC' button to stop.



3) Connects home application's plug to V2H's output socket. V2H has one socket output 32A,

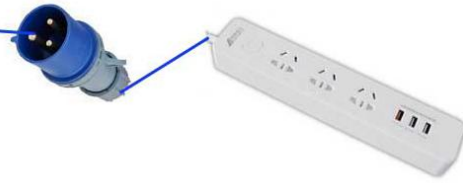


6KVA V2H

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Front



Applications:

- 1) V2H to drive fan



2) V2H to drive coffee machine



3) V2H to drive induction cooker



4) V2H to drive home application when electricity off



5) V2H to drive electricity tools



6) V2H to drive inflatable playground

