

# Completely made-to-order Solar Power House [Sample]

Special Solar Power House Specifications

S O L A R

和室

Washitsu

New Environmental Exposition  
Exhibiting for five  
consecutive years



power

Solar panel's maximum power output increased

order

Premium, high-grade building materials are used

wave

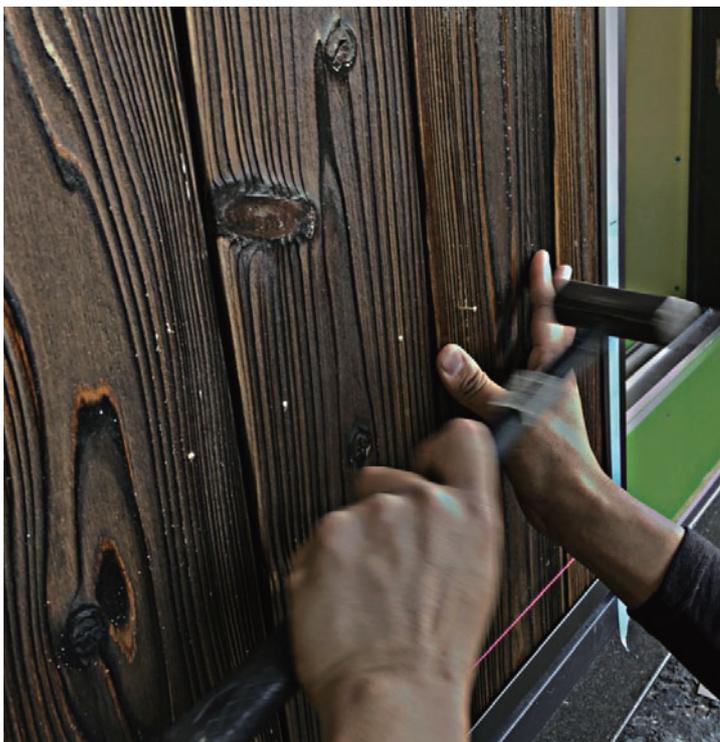
Same waveforms as power companies ensure the reliable operation of personal computers.

size

Available in custom-order sizes ranging from 3.3 m<sup>2</sup> to house or factory sizes.

## Traditional Japanese-style room made by world-class Japanese craftsmen

The solar power storage system allows use during a disaster, even when the external power supply is interrupted.



**D+Daiwatech**

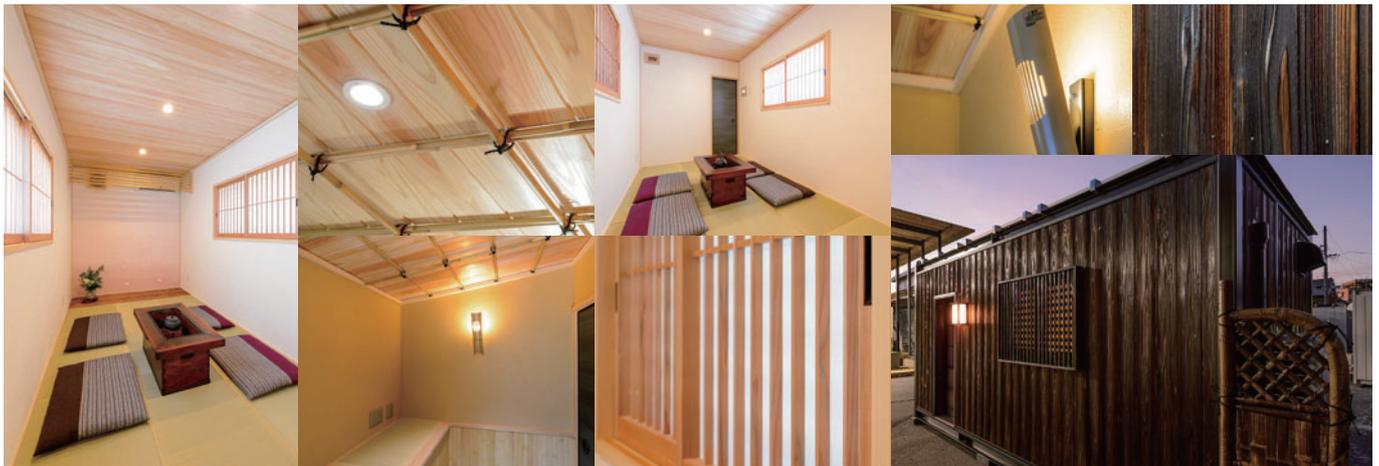
<https://www.dt-daiwatech.com/>

**Daiwatech CO., LTD.**

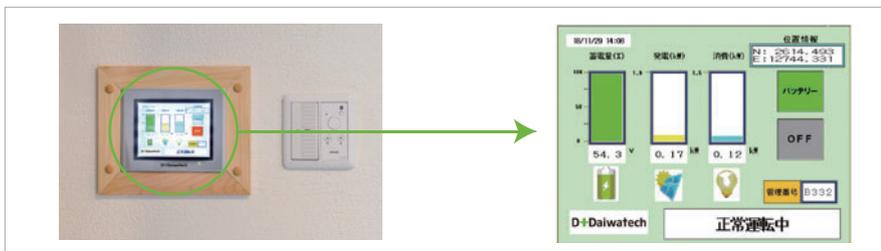
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## Washitsu - A calming space designed for personal relaxation and for hosting special guests.

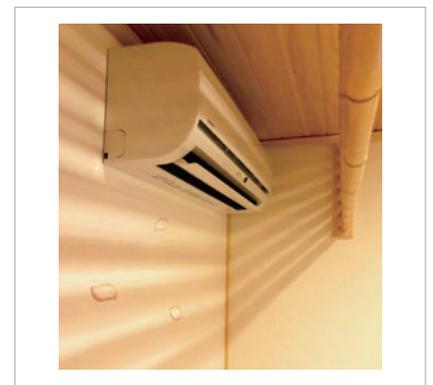


### Functions and Equipment



#### Display unit (LCD screen)

The display unit features a 5.7-inch color LCD screen. It shows messages when the remaining battery capacity drops to 20% and 5%, respectively. All power supplies can be turned off to conserve electricity. The display indicates the power storage amount (%), power generation (kW), and power consumption (kW).



Standard air conditioner

### House specifications / Electrical specifications (13.22 m<sup>2</sup> size)

\* Building Confirmation Application is required, \* Notification to the fire department is required, \* Varies depending on the size

Construction	Angular steel tubes, lightweight structural steel	Maximum solar panel output	2.16 kW
Outer dimensions	5,450(W)×2,300(D)×2,700(H) (including solar panels)	Average expected daily power generation	Approx. 6 kWh (summer)/approx. 3.5 kWh (winter)
Surface area	12.54 m <sup>2</sup>	Cell type	Monocrystalline silicon
Weight	3,700 kg (including solar panels)	Controller	Charging management/backflow prevention
Wall material	Exterior walls: Charred cedar Ceiling: Cypress Interior walls: Shikkui lime plaster, bamboo	Solar panel charging method	MPPT (Maximum Power Point Tracking)
Roof	Prepainted steel sheets (with condensation prevention agent)	Storage battery type	Lithium-Ion battery/lead battery
Floor	Prepainted waterproof plywood	Environmental temperature	-10 to 45°C (with no condensation)
Insulation	Ceiling, walls Glass wool (100 mm thickness)	AC output	Single-phase 100V, 30A
Fixtures	Wooden sliding door, aluminum sash windows	Output waveform	Sine wave
Equipment	Air conditioner, LED lighting, ventilator, ventilation port, breaker, wall outlet, Ryukyu tatami mats, entrance lighting	Display unit (LCD)	Power storage amount (%), power generation (kW) power consumption (kW), main power supply (ON/OFF)
		100 VAC charging method	Commercial or generator
		Communication system	Wi-Fi router