

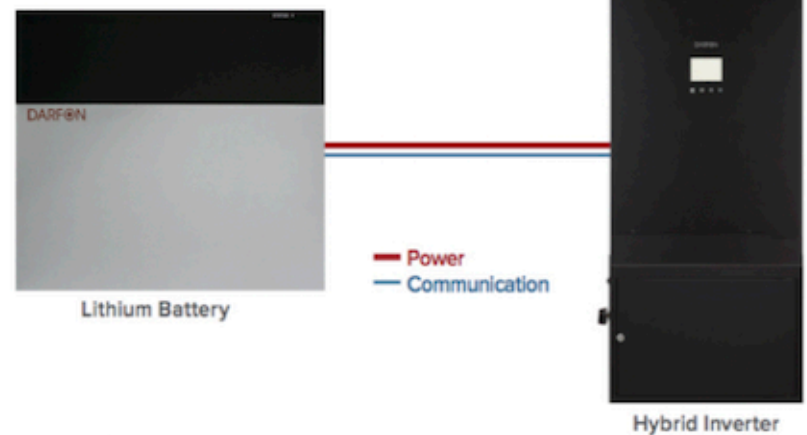
If you have a limited budget, a light load to support and don't have the floor space, then the H300 series is the solution for you. The H300 series of hybrid storage systems are wall-mountable pre-configured solutions consisting of a H5001 hybrid inverter and 5kWh Lithium batteries (LNMC).

In this series, the H301 has a storage capacity of 5kWh and the H302 has 10kWh. And if the need arises, the H301 can easily be upgraded into the H302.

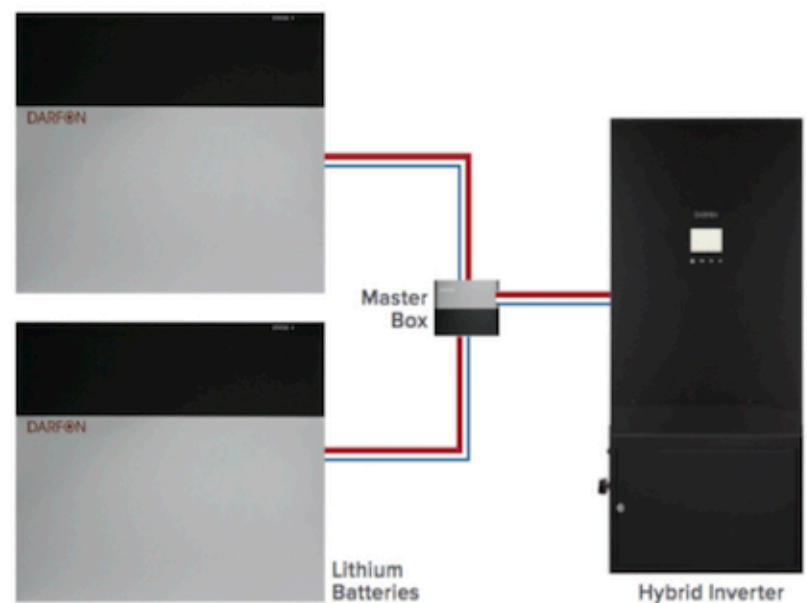
SPECIFICATIONS

H5001 HYBRID INVERTER	
Continuous AC Output Power @ 25°C	5kW (PV), 2kW (1 Batt.), 3.3kW (2 Batt.)
B05LM LITHIUM BATTERY	
Nominal Voltage	51.1V
Battery Type	Lithium Nickel Manganese Cobalt
Capacity @ 25°C	95.4Ah (4.88kWh)
Cont. Charge/Discharge Current	44A
Peak Discharge Current	58A
Terminal Type / Location	Connector / Side
Depth or Discharge (DOD)	80%
Complete Cycle Life	2500 Cycles at 80% DOD
Battery Management System	OCP/OVP/SCP/OTP
Weight	46.5kg (102.5 lb)
Dimensions (HxWxD)	610x710x167mm (24x28x6.6in)
Protection Rating	NEMA 1 Indoor / IP20
Operating Temperature	-10 to 45°C (14 to 113°F)
Storage Temperature	-40 to 60°C (-40 to 140°F)
Compliances	UL1642, UN38.3, CE
MASTER BOX	
Number of Power Ports	One Inverter, Two Batteries
Communication Ports (Modbus)	One RJ45 (Inverter), Two RJ45 (Battery)
Max. Charge/Discharge Power	2kW (1 Battery), 3.3kW (2 Batteries)
Charge/Discharge Operation Voltage	57.4 VDC / 45.5 VDC
Weight	2kg (4.4 lb)
Dimensions (HxWxD)	122x149x52mm (4.8x5.9x2.0in)
Protection Rating	NEMA 1 Indoor / IP20

H301 CONFIGURATION



H302 CONFIGURATION



- 5kWh Lithium battery included and configured to work out of the box
- Built-in distribution box for fast installation
- Designed for users with a limited budget and houses with less than 2kW load to support
- Transformerless inverter design with true sine-wave AC output and auxiliary port for generator support
- System monitoring and management via the control panel
- Five (5) year standard warranty

MODE DEFINITION	CHARGE FROM	FEED GRID FROM	PV USE PRIORITY			LOAD PRIORITY		
			1	2	3	1	2	3
1. Back-up (default)	PV or Grid	PV Only	Batt.	Load	Grid	PV	Grid	Batt.
2. Residential	PV Only	PV Only	Load	Batt.	Grid	PV	Batt.	Grid
3. Back-up w/o Feed-in	PV or Grid	None	Batt.	Load	-	PV	Grid	Batt.
4. Residential w/o Feed-in	PV Only	None	Load	Batt.	-	PV	Batt.	Grid
5. Time-of-Use (TOU)	Off-Peak	PV or Grid	PV Only	Batt.	Load	Grid	PV	Grid
	Peak	PV Only	PV Only	Load	Batt.	Grid	PV	Batt.
6. TOU w/Batt. Feed-in	Off-Peak	PV or Grid	PV Only	Batt.	Load	Grid	PV	Grid
	Peak	PV Only	PV or Batt.	Load	Grid	Batt.	PV	Batt.

WHAT'S INCLUDED

H301	H302
One (1) H5001 Hybrid Inverter	One (1) H5001 Hybrid Inverter
One (1) Mounting Backplate	One (1) Mounting Backplate
One (1) B05LM Lithium Battery	Two (2) B05LM Lithium Battery
Cables: 1 Power, 1 Communication	Cables: 3 Power, 3 Communication
	One (1) Master Box