

TABUCHI ELECTRIC

EIBS

Hybrid Solar Inverter & Stackable Batteries



True hybrid all-in-one Solar + Storage system optimized for easy and efficient installation and energy management

All-in-One Solution includes:

- ▶ Solar and battery control
- ▶ High efficiency AC/DC conversion
- ▶ Automatic transfer switch
- ▶ 3 Solar MPPTs
- ▶ 2 Lithium-ion Batteries
- ▶ Battery, solar, and whole house monitoring

Optimized Energy Management Settings:

- ▶ Self-consumption
- ▶ Demand Charge
- ▶ Time-of-Use (TOU)
- ▶ Backup
- ▶ Non-export available

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Hybrid Inverter & Battery Specifications

Input: DC: (Photovoltaic)

Open-circuit input power per string	600V
Max. usable input power per string	2500W
MPPT operating voltage range	80 to 550V
Number of independent MPPTs	3
Max. operating input current per string	12A
Max. short-circuit PV input current	15A

Output (AC: Grid-tied)

Connection Type	Single split phase 3-wire (L1, L2, N)
Nominal AC power	5500W
Nominal AC voltage	240V
Operating AC voltage range	AC 211.2V-264V
Grid frequency range	60Hz / 58.0Hz to 62.0Hz
Max. output current	22.9A
Power Factor at rated output power	≥ 0.95

Output (AC: Stand-alone)

Connection Type	Single phase 2-wire (L,N)
Nominal output voltage	120V±5V / 240V±5 % ²

Charge / Discharge (DC: Battery)

	Grid-tied Operation		Stand-alone Operation	
Number of batteries	1	2	1	2
Charge power	1.5kW	3.0kW	1.5kW	3.0kW
Discharge power	2.0kW	4.0kW	2.0kW	4.0kW ²
Available capacity	7.4kWh ²	14.8kWh ²	7.4kWh ²	14.8kWh ²

Efficiency

Max. efficiency (solar)	95.6%
CEC efficiency	94.5%

General Data

Inverter dimensions (W x H x D)	680 mm x 1200 mm x 250 mm (26.8 x 47.2 x 9.8 in)
Inverter weight	68 kg (149.9 lbs)
Battery dimensions (W x H x D)	580 mm x 600 mm x 551.5 mm (22.8 x 23.6 x 21.7 in)
Battery weight	110kg (243 lbs) per battery
Operating temperature range (Inverter)	-20° C to + 40° C (-4° F to + 104° F)
Topology	Transformerless
Inverter cooling	Active cooling (fan)
Enclosure rating	Inverter = NEMA 3, Battery = Indoor

Standards and Certifications Compliance

Inverter	UL1741/1699B/60950-1, CSA C22.2. No 107.1 / No. 60950-1, IEEE 1547a, CEC, FCC class B
Battery	UL 1973, CSA C22.2 No. 60950-1
System	ANSI / CAN / UL 9540 ^{*1}

^{*1} Only EIBS16GU2 is UL9540 compliant

^{*2} Scheduled for release in the first half of 2018

