# **CAN® NetZero Plus**

## 30min Quick Installation Energy Storage System



#### **Easiest Installation**

Lightweight modular + quick coupler design

Universal PCS: 95 lbs (43 kg)

Aluminum battery cabinet: 76 lbs (35 kg)

Plug-in battery (LiFePO<sub>4</sub>): 43 lbs (20 kg) each

Plug-in BCMS: 11 lbs (5 kg)

### **Independence & Self-sufficiency**

- Authentic offgrid utility grade power: ensuring reliable backup power in continuous service disruptions
- 12.5 kVA power to charge your electric vehicle and run your house at the same time during outages longer than 48 hours

#### **Born Integration**

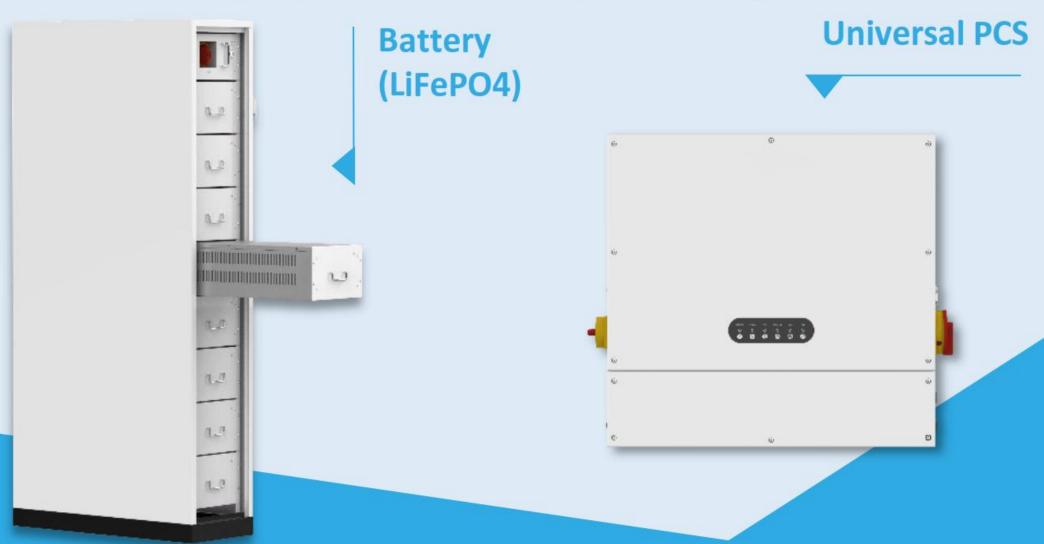
- iCAN NetZero Plus = Solar charger + battery + PCS + transfer switch +
   AC shutoff switches
- Simplicity: No external cables between modules
- Ships complete with MPPT charger, split phase 120/240 input and output: options costing over \$3000 on other models
- Installation cost: saving half the labor of competing designs

#### **Custom Intelligence**

- Monthly Savings: Automatically takes full advantage of TOU incentives
   / DRP participation
- Auto-switch among PCS, grid and generator
- Real-time APP monitor and tailored energy management based on local load and weather conditions rather than indiscriminate ToU strategies only
- OTA system updates and lifelong online service

#### **Care-free Maintenance**

- Seamless capacity expansion: communication-free paralleling of multiple devices
- Passive heat dissipation for protection of key parts
- Easily-replaceable weatherproof cooling fans



## **iCAN®** NetZero Plus Specifications

				<u></u>	<b>Jniversal</b>	PCS Hybrid Inverter 💢 🔆		
		Efficie	ncy			Battery Ir	nput / Output	
MPPT Efficiency			,		> 99%	Max. Power	12.5 k	
Max. Charge Efficie	ency				98.20%	Voltage Range	360 Vdc ~ 584 V	
Max. Discharge Efficiency 97.4%		97.4%	97.7%	97.8%	97.7%	Max. Current	36	
,		96.2%	96.4%	96.4%	96.5%	Pro	tection	
		Grid Ou	ıtput			DC Switch	DC surge Protection	
Rated Power 7.5		7.5 kW	10 kW	11 kW	12.5 kW	Rapid Shutdown (RSD)	AC Surge Protection	
Rated Frequency				50	Hz / 60 Hz	Anti-islanding Protection	Leakage-Current Protection	
	@ 240 V	32 A	42 A	45.8 A	52 A	DC Reverse Polarity Protection	Insulation Monitoring	
Max. Output	208 V	32 A	42 A	45.8 A	52 A	Over Temperature Protection	Ground-Fault Isolation Detection	
Current ©	@ 277 V	27 A	35.7 A	40 A	45 A	Over Current Protection		
Adjustable Power Factor			0.8 Leading ~ 0.8 Lagging			G	General	
THD			s 35° s ≤ 3%			Weight	95 lbs (43 l	
			erator Input				25.6 in * 24.4 in * 9.5	
Rated Power		7.5 kW	10 kW	11 kW	12.5 kW	Dimensions (W * H * D)	(650 mm * 620 mm * 241.5 m	
Voltage Range			216 Vac ~ 264 Vac			Passive cooli	ng through aluminum heatsink, exterr	
Frequency Range			45 Hz ~ 55 Hz / 55 Hz ~ 65 Hz			Cooling	eatherproof fan to improve performan	
		Load O	ad Output			Recommended PV Input Voltage	< 500 V	
Rated Power		7.5 kVA	10 kVA	11 kVA	12.5 kVA	Communication Interface	Wi-Fi, Ethernet, 4G, RS485, CA	
Rated Voltage				The Part of the Pa	Split Phase	Display	LED, iOS / Android A	
Rated Frequency					50 / 60 Hz	Topology	Transformerle	
Overload Capacity 11		110%(	0%@10min, 120%@1min, 130%@10				-13°F ~ 140°F (-25°C ~ 60°	
		PV Inj		Operating Temperature Range		Derating When it's higher than 45		
Max. Power of PV		1 7 211	Jac		2 * 8.5 kWp	Relative Humidity	0 ~ 95% (No Condensation	
Voltage Range			175 Vdc ~ 530 Vdc *			Enclosure Protection Rating	NEMA 4X (IP6	
MPPT Operation Voltage Range		ange	175 Vdc ~ 480 Vdc			Altitude	≤ 9842 ft (3000	
Full Load MPPT Voltage Range			250 Vdc ~ 480 Vdc			Noise Emission	< 55 dB(	
MPPT Channels		ge	2				s Compliance	
Max. Current			2 * 26 A			Safety	UL9540, UL1998, CSA C22	
Number of Input					2	EMC	FCC Part 15 Class	
* The highest voltage voltage shall be no hi					attery; so	Grid Connection Standards	IEEE 1547A, Rule 2	
	Ī	4 4	4 4	Recha	rgeable I	ithium Battery System	4 4	
		Electr			9-00-0		eneral	
Cell Chemistry		2.000.		on phospha	te (LiFePO <sub>4</sub> )	Dimensions (W * H * D)	25.6 in * 55.1 in * 10.2 (650 mm * 1400 mm * 260 mi	
Rated Energy			20 kWh		20 kWh	System Weight	432 lbs (196 k	
Usable Energy			18.5 kWh			Battery Module Weight	43 lbs (19.6 k	
Nominal Voltage			384 Vdc			BCMS Module Weight	11.2 lbs (5.1 k	
Nominal Capacity			52 Ah / 20 kWh			Enclosure Weight	76 lbs (35 k	
Charge Voltage			420 Vdc			Communication Interface	CAN, RS2	
Operating Voltage Range			360 Vdc ~ 438 Vdc			Display	Ĺŧ	
Continuous Power			12.5 kW			Operating Temperature Range	32°F ~ 113°F (0°C ~ 45°	
Max. Short Circuit Current			80 A @ 200 ms			Recommended Operating	50°F ~ 95°F (10°C ~ 35°	
Peak Power		20 kW@1s				Temperature Range		
		Over/Under Veltage			Relative Humidity	0 ~ 95% (No Condensation		
Over/Under Temperature		Over/Under Voltage				Protection Rating	NEMA 1 (IP2	
Over Current		Short Circuit				Altitude	≤ 9842 ft (3000 ft	
						ards Compliance		
EMC				FCC Par	t 15 Class B	Safety	UL9540, UL1973, UL1642, UL199	