

WECO



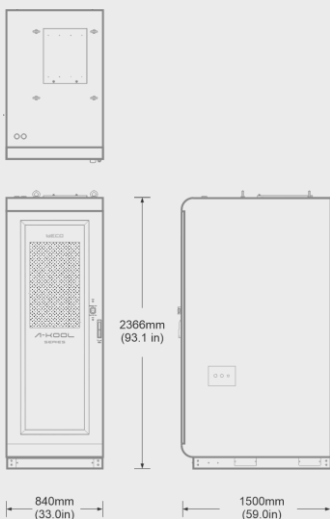
Efficient.
Compact.
Kool.

8X

A-KOOL 128-50

CABINET 128 kwh + 50 kW INVERTER

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IP 55 OUTDOOR

8X ALL IN ONE

Outdoor Cabinet + 160A 50kW inverter

Specifications

		All In One 128kWh/50kW Inverter
HYBRID INVERTER	Inverter Power	50kW 3-Phase 400 Vac 50 Hz
	Rated Output Power AC side	83 A
CABINET SPECS	Battery Min Voltage	392 VDC
	Battery Max Voltage	454 VDC
	Battery Max Charging Current	157 ADC
	Module Specs	16S-314 Ah
	Modules per System	Min 4 Max 8
	Module Capacity	16.07 kWh
	System Capacity	Min 80 kWh- Max 128kW
	Rated C-Rate	0.5C
AC SIDE	AC Breakers And Interruption Capacity	200 A / 50 kA (accessory)
	Rated Voltage On Grid	400 VAC
	Voltage Range	400 VAC $\pm$ 15 %
	Rated Frequency (Hz)	50 Hz / 60 Hz
	Frequency Range	$\pm$ 3 Hz
	Power Factor (Off Grid)	- 0.8 ~ +0.8
	Frequency Accuracy	0.2 Hz
	Voltage Ripple	< 3 %
	Current Ripple	< 2 %
	Output Harmonic Wave	< 3 %
	Phase Unbalance Load (ON-OFF Grid)	100%
	EPS	100% Nominal Power
BACKUP	STS Switch Time On To Off Grid	10ms
	STS Switch Time OFF To ON Grid	10ms
	EPS Overload Support	3s
AUXILIARY INPUT	Generator Input	yes
	Reaction Time To External Commands (EMS)	200 ms
	Switch Time From Charge To Discharge	20 ms
	Switch Time From Discharge To Charge	20 ms
SYSTEM	Operation Mode PV + Grid Only (No Battery)	Supported
	System Start Up Capability On-Grid (No Battery)	Yes
	System Start Up Capability Off-Grid	Battery Only = Operation Granted
	Heat Pump Drive (Dry Contacts)	2x
	IP rating	Battery Cabinet IP55 – Inverter IP65
	Working Temperature	-20 °C ~ 55 °C (Derating T > 45 °C)
	Humidity	0 % RH ~ 95 % RH, Non-Condensing
	Working Altitude	T < 45 °C: 2000 m (No Derating), 2000 m ~ 4000 m Derating
ENVIRONMENT	Noise	< 75 dB
	Communication	RS485, CAN, Wi-Fi
	Protocol	CAN, ModBus TCP/IP
	Installation	Outdoor IP55
INTERFACE	Maximum Efficiency	97%
	Isolation	Transformer-less
OTHERS	Protection Class	Class I
	Cooling Type	Air Conditioned / Forced Air
	Dimensions (W x D x H) (mm)	840 (+ 280mm width Inverter) x 1500 x 2366
	Weight	770 kg

8X 16K0

AIR COOLED ESS

NEW INVERTER TH 50-160
160Adc CHARGING CURRENT



WECo

8X 16K0

CABINET 128 kWh + 50 kW inverter 160 Adc

WECO

The Next
Generation
BESS is here
and it's
WeCo.

Air-Cooled All In One
System offers efficient
heat dissipation,
extended component
lifespan, higher power
density, adaptability to
various climates, and
reduced maintenance,
ensuring reliable, quiet,
and energy-efficient
performance.

Efficient
Power
Integration



WECO

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