



SUN-ALL - Retrofit

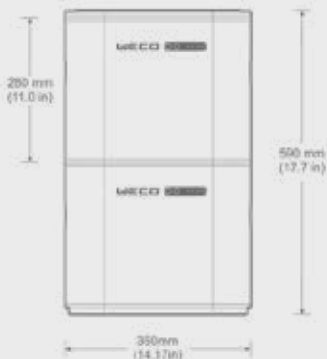
MPPT + ESS Retrofit Ready



Automatic Heating System



Built-in Fire Fighting System



Specifications

	System	Module Ax (MPPT + Battery)
DC OUTPUT	Module Ax Integrated Output Data	
	Voltage Range	30 ~ 43.2 Vdc
	Power	400 W per Channel (2 Channels)
	Voltage Range (PV Bypass)	12 ~ 60 V
	Max. Output Current	12.5 A *2
PV INPUT	Module Ax Integrated MPPT Datasheet	
	Max. PV Input Power	600 W * 2 Channels
	Max. PV Input Current	15 A *2
	PV Short Circuit Current	18 A *2
	Nominal PV Input	40 Vdc
	MPPT Voltage Range	20 ~ 60 Vdc
	MPPT Number	2
BATTERY DATA	Battery Technical Specification – Battery Module Ax / Module Bx	
	Cell Type	LiFePO4
	Battery Nominal Voltage	38.4 Vdc
	Battery Capacity	50 Ah
	Battery Energy	1920 Wh
	Max. Charging/Discharging Current	40 A
	Battery Operating Voltage	32.4 Vdc - 43.2 Vdc
	Battery Storage Temperature	-20 °C +65 °C
	BMS Operating Temperature	-20 °C +50 °C (Auto Heating Function)
	Heating Function	WeCo Smart Heating Control
	Reverse Polarity Protection	YES
	BMS Protections	OVP,UVP,OCP,SCP,OTP,UTP
	Capacity Expansion	YES
	Memory Log Events	200
	HMI Interface	LED + Key Button
	Dimensions (W x D x H) (mm)	400 x 290 x 450
	Relative Humidity	10-85%
STANDARDS	Safety & EMC Standard	IEC62109, UN38.3,IEC/EN 62109-1,IEC/EN 62109-2,IEC61000-6-1,IEC61000-6-2,IEC61000-6-3,IEC61000-6-4
	Safety and Shipping	UN38.3,IEC62619
	Cooling Method	Natural

Ax



**Integrated MPPT 1.2 kW
with Battery 1.9 kWh**

Bx



**Expansion Battery
Module 1.9 kWh**

The above-mentioned temperatures are limited to the BMS ranges, such values may not be covered by the performance warranty. We recommend contacting WeCo for the most up-to-date datasheet, read warranty and manual before making any purchasing decisions. No part of this document can be copied or reproduced without WeCo written permission. All data is subject to change without prior notice.

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MICRO INVERTER

works with any pre-existing Micro Inverter

Specifications

Nominal Input/Output Power	800 W / 800 W
Conversion Efficiency	95.4%
AC Input/Output Frequency and Voltage	50 Hz (45Hz-55Hz),L/N/PE,220Vac/230Vac
Grid Type	Single Phase L1 + N
Rated Grid Input/Output Current	4 A
Max. Grid Input/Output Current	4.5 A
Power Factor Adjustment Range	0.8 leading to 0.8 lagging
Power Factor	1
Ingress Protection	IP65
THD	Non-Linear Load THD < 3% and Linear Load THD < 1.5%
EMC & Safety	CE IEC61400 EMC
Grid Certifications	VDE

