

WECO



Easy.
Compact.
Stylish.



ESY

SINGLE PHASE HYBRID INVERTER

ESY Series is compact and lightweight, easy to use and install

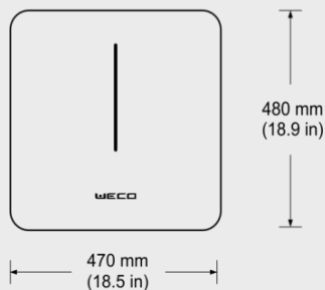
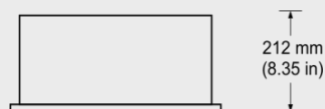
ESY 5K/6K/8K

HYBRID INVERTER

Specifications

	ESY-3K	ESY-5K	ESY-6K	ESY-8K
SOLAR	Nominal Input (PV) Power (kW)			
	3	5	6	8
	Max. PV Power (kW)			
	4,5	7,5	9	12
	Max. PV DC Voltage (V)			
	500			
	MPPT Voltage Range (V)			
125 ~ 500				
Max. Input Current of Single MPPT (A)				
16				
MPPT Tracker / Strings				
2		3		
Channels Per MPPT (max 16 Adc)				
1				
AC OUTPUT	Rated Output Power (kW)			
	3	5	6	8
	Max. Output Current (A)			
	13	21,7	28,7	38,3
	AC Output Voltage (Vac)			
	230 / 176 ~ 270			
	Rated Frequency (Hz)			
50 / 60				
Frequency Range				
50 ± 5 Hz / 60 ± 5 Hz				
THDI				
< 3 %				
Output Power Factor				
0.8 leading ... 0.8 lagging				
BATTERY	Battery Voltage Range (V)			
	40 ~ 58			
	Max. Charging Voltage (V)			
	58,4			
	Max. Charge / Discharge Current (A)			
	63/90	100 / 100	120 / 120	160 / 160
Battery Type				
Li-Ion				
Communication Interface				
WeCo-CAN				
EPS OUTPUT	Rated Power (kVA)			
	3	5	6	8
	Rated Output Voltage (V)			
	230			
	Rated Output Current (A)			
	13	21	26	35
	Rated Frequency (Hz)			
50 / 60				
Automatic Switching Time (ms)				
< 10				
THDI				
< 2 %				
Overload Capacity				
150 % - 10 sec				
GENERAL DATA	Max. Efficiency			
	≥ 98.2%			
	Europe Efficiency			
	≥ 97.5%			
	Ingress Protection			
	IP65 / NEMA 3R			
	Noise Emission (dB)			
	< 35			
	Operating Temperature (°C)			
	-25 °C ~ 60			
Cooling				
Natural				
Relative Humidity				
0 ~ 95% (non-condensing)				
Altitude				
2,000 m (> 2,000 Derating)				
Dimensions (W × D × H) (mm)				
470 × 212 × 480				
Weight (Kg)				
20				
Isolation Transformer				
No				
Self-Consumption (W)				
< 3				
DISPLAY	Logic Multicolor LED Bar			
	LED BAR			
	COMM 1	RS485 WiFi		
COMM 2				
CAN				
SAFETY STANDARD	EMC / CE / IEC 61000: 4 / 3			
	IEC62109			
	NRS 097 - 2 - 1			

Ask your distributor for specific Certifications available



WECo

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We recommend contacting WeCo for the most up-to-date datasheet, read warranty and manual before making any purchasing decisions.
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