

**WECO**

Compact.  
Sleek.  
Simple.

16A PV Input  
EPS Full Power



**ESY**

**SINGLE PHASE HYBRID INVERTER**

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

# ESY SINGLE PHASE

## HYBRID INVERTER ( RAL 7016)



### Specifications

	ESY-3K	ESY-3.6K	ESY-4K	ESY-4.6K	ESY-5K	ESY-6K	ESY-8K							
SOLAR	Nominal Input (PV) Power[kW]							3	3.6	4	4.6	5	6	8
	Max. Power[kW]							4.5	5.4	6	6.9	7.5	9	12
	Max. PV DC Voltage Voc [V]							500						
	MPPT Voltage Range [V]							80-450						
	Number of MPPT Trackers							2						
	Number of PV Strings input Each MPPT							1				1+2		
	Max. Input Current of Single MPPT [A]							16				16/32		
	max Short current (Isc) of Each MPPT [A]							18.5				18.5/37		
AC OUTPUT	Rated Output Power [kW]							3	3.6	4	4.6	5	6	8
	Max. Output Current [A]							14.3	16	19.1	20	21.7	28.7	38.3
	Max. bypass Power [kW]							4.5	5.4	6	6.9	7.5	9	10
	Ac Output Voltage [Vac]							230						
	Frequency [Hz]							50/60						
	THDI							<3%						
	Output Power Factor							1(0.8leading...0.8lagging)						
BATTERY	Battery Voltage Range [V]							40-58						
	Max. Charging Voltage [V]							58.4						
	Max. Charge/Discharge Current [A]							60/60	72/72	80/80	92/92	100/100	120/120	160/160
	Battery Type							Li-Ion/Lead acid						
	Communication Interface							WeCo-CAN						
EPS OUTPUT	Rated power [kVA]							3	3.6	4	4.6	5	6	8
	Rated output voltage [V]							230						
	Rated output current [A]							13.1	15.65	17.39	20.0	21.74	26.09	34.78
	Rated frequency [Hz]							50/60						
	Automatic switching time [ms]							<10						
	THDI							< 2%						
	Overload capacity							110%, 60s / 120% 30s / 150%, 10s						
	Max. Efficiency							≥98.2%						
	Europe Efficiency							≥97%						
	Ingress Protection							IP65/NEMA 3R						
GENERAL DATA	Noise Emission [dB]							<35						
	Operating Temperature [°C]							-25 ~ 60						
	Cooling							Natural						
	Relative Humidity							0~95% (non-condensing)						
	Altitude							2,000m (>2,000 Derating)						
	Dimensions W *D *H [mm]							454x200x467					484x200x467	
	Weight [kg]							19	19	19	19	19	19	22
	Isolation Transformer							No						
	Self-consumption [W]							<15						
	DISPLAY	Logic Multicolor LED bar							LED BAR					
COM 1							RS485 WiFi							
COM 2							USB Type-C							
SAFETY STANDARD	Certifications							EMC / CE / IEC 61000: 4 / 3IEC62109 / UK G / CEI021 Ask your distributor for specific Certifications available						



WeCo Srl a Socio Unico  
Viale J. F. Kennedy 113-121  
50038 Scarperia e San Piero  
Firenze, Italy

weco@wecobatteries.com  
www.wecobatteries.com

