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.

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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]	80-500						
	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						
GENERAL DATA	Max. Efficiency	≥98.2%						
	Europe Efficiency	≥97%						
	Ingress Protection	IP65/NEMA 3R						
	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						

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Available on the Google play

WeCo Smart Platform

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