

RESIDENTIAL ESS SOLUTION ALL-IN-ONE ENERGY STORAGE SYSTEM



EL TEJADO SOLAR .COM

CREAMOS LA ENERGIA VERDE

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Tel: 965 055 969

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DEYE SPRING RW SERIES



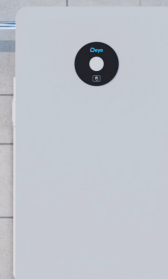
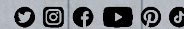
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Enhanced Reliability

- Built-in Intelligent BMS, providing complete protection
- Natural cooling, IP65, wide temperature range : -20°C to 55°C (with heating)



Smart Application

- Peak-shaving, smart load, AC couple etc.
- Fast switching time of 4ms, ensuring your energy security



Flexible Expansion

- Max.16 units in parallel (80kW/84.8kWh) Support expansion of Deye 5.1kWh LV battery, Max. capacity of 163.2kWh



All-in-One Design

- Integrated 5kW hybrid inverter and 5.3kWh LFP battery, safety and long lifespan



Easy Installation

- Flat design, wall-mounted, saving installation space, quick and easy installation



Intelligent Control

- Comfortable and easy control via App, PC or Touch-Display

≥6000

Cycles

4ms

Fast Switching Time

70%

EOL

IP65

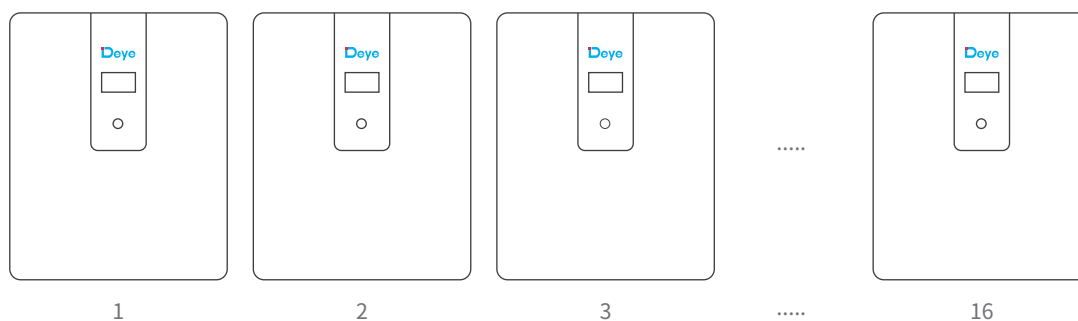
Rated for indoor and outdoor use

Model	RW-F5.3-1H3	
AC Technical Specification		
Rated AC Input / Output Active Power (W)		5000 / 5000
Max AC Input / Output Apparent Power (VA)		5500
Peak Power (off grid)		2 time of rated power, 10s
AC Output Rated Current (A)	EL TEJADO SOLAR .COM CREAMOS LA ENERGIA VERDE info@eltejadosolar.com Telf: 965 055 969 Telf: 668 636 637	22.8 / 21.8
Max. AC Current (A)		25 / 24
Max Continuous AC Passthrough (grid to load) (A)		35
Rated Input / Output Voltage / Range (V)		220V / 230, 0.85Un-1.1Un
Rated Input / Output Grid Frequency/Range (Hz)		50Hz / 45Hz - 55Hz, 60Hz / 55Hz - 65Hz
Grid Connection Form		L+N+PE
Power Factor	0.8 leading to 0.8 lagging	
Total Harmonic Distortion (THDi)	<3% (of nominal power)	
DC injection current (mA)	<0.5% In	
DC Technical Specification		
Max. PV Access Power (W)		10000
Max. PV Input Power (W)		8000
Max. PV Input Voltage (Vdc)		500
Start Up PV Voltage (Vdc)	EL TEJADO SOLAR .COM CREAMOS LA ENERGIA VERDE info@eltejadosolar.com Telf: 965 055 969 Telf: 668 636 637	125
MPPT Voltage Range (Vdc)		150 ~ 425
Full Load MPPT Voltage Range (Vdc)		300 ~ 425
Rated PV Input Voltage (Vdc)		370
Max. Operating PV Input Current (A)		18+18
Max. PV Input Short-circuit Current (A)		27+27
Number of MPP Trackers		2
No. of Strings Per MPP Tracker		1 + 1
Battery Chemistry		LiFePO ₄
Battery Nominal Voltage (V)	51.2	
Battery Energy Configuration (kWh)	5.32	
Max. Charging / Discharging Current (A)	100	
Battery Operating Voltage (V)	44.8 ~ 57.6	
Battery Cycle Life	≥6000 (@25°C±2°C, 0.5C / 0.5C, 70%EOL)	
Other Technical Specification		
Dimension (W × D × H, mm)	616 × 191 × 690 (Excluding connectors and brackets)	
Weight Appr. (kg)	71	
IP Rating of Enclosure		IP65
Operating Temperature Range (°C)		-20°C ~ 55°C (with heating)
Permissible Ambient Humidity		0~100%
Inverter Topology	EL TEJADO SOLAR .COM CREAMOS LA ENERGIA VERDE info@eltejadosolar.com Telf: 965 055 969 Telf: 668 636 637	Non-Isolated
Over Voltage Category		OVC II (DC), OVC III (AC)
Type Of Cooling		Natural Cooling
Noise (dB)		<30
Display		Touch LCD
Monitor Mode		WIFI, Bluetooth
Installation Style	Wall-Mounted, Floor-Mounted	
Max. Efficiency	97%	
Max. charging / discharging Efficiency	95.5%	
MPPT Efficiency	>99%	
Safety EMC / Standard	IEC / EN 61000-6-1 / 2 / 3 / 4 , IEC / EN 62109-1, IEC / EN 62109-2	
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105	
Certification	UN38.3, IEC62619	
Warranty	5/10 years (the Warranty Period Depends the Final Installation Site. More Info Please Refer to Warranty Policy)	



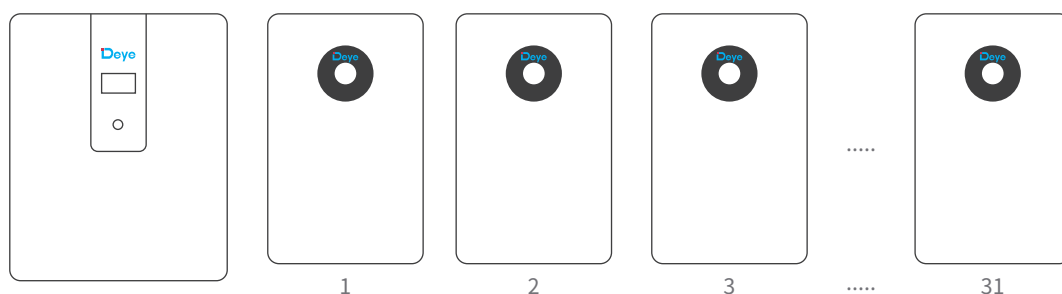
Maximum support for 16 units in parallel

RW-F5.3-1H3 80kW/84.8kWh

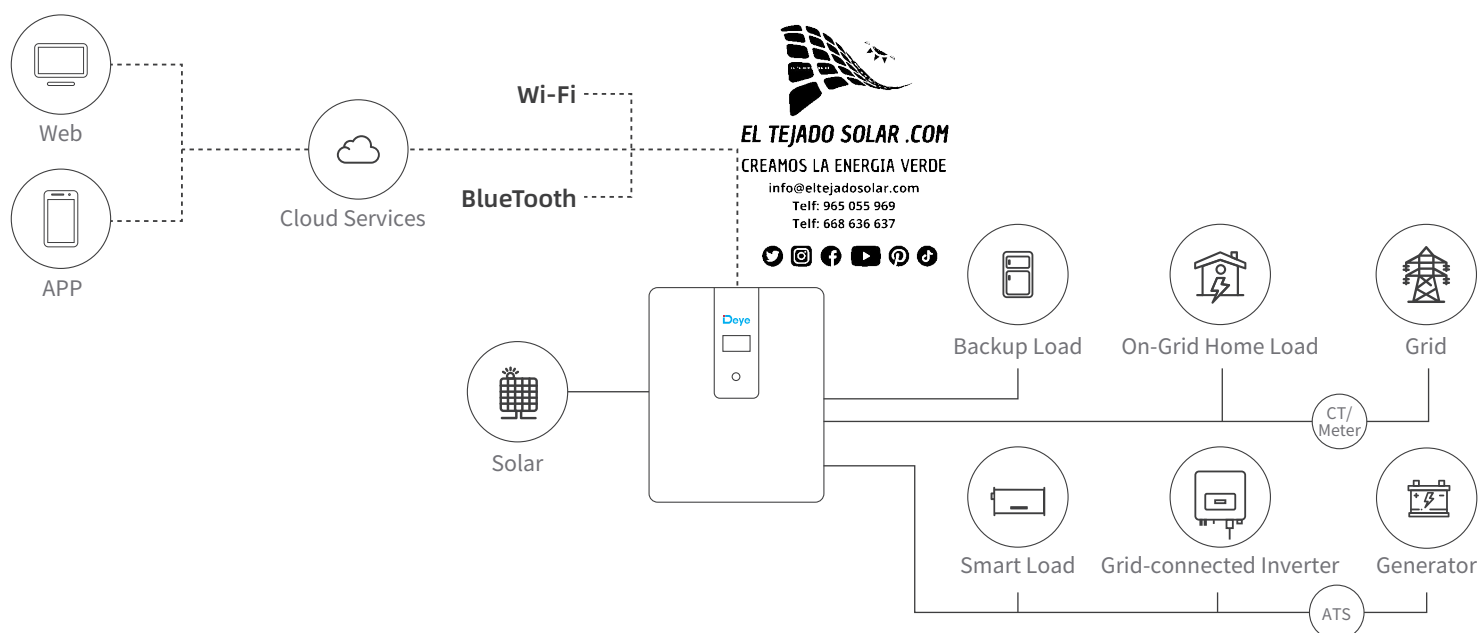


Maximum support for 32 Deye RW-L5.1 in parallel

RW-L5.1 and RW-F5.3-1H3 163.2kWh



System Application Topology Diagram





POWERING YOUR LIFE



Deye ESS



www.deyeess.com