



ГИБРИДНАЯ ЭНЕРГИЯ

Deye

RESIDENTIAL ESS SOLUTION ALL-IN-ONE ENERGY STORAGE SYSTEM

DEYE SPRING RW SERIES



КУПИТЬ ПРОДУКЦИЮ DEYE
WWW.DEYE-RUS.RU



Enhanced Reliability

- Built-in Intelligent BMS, providing complete protection
- Natural cooling, IP65, wide temperature range : 0 to 55 °C



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 (57.6kW/81.9kWh or 80kW/81.9kWh)
Support expansion of Deye 5.12kWh LV battery, Max. capacity of 163.8kWh



All-in-One Design

- Integrated 3.6kW hybrid inverter and 5.12kWh LFP battery, or 5kW hybrid inverter and 5.12kWh 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

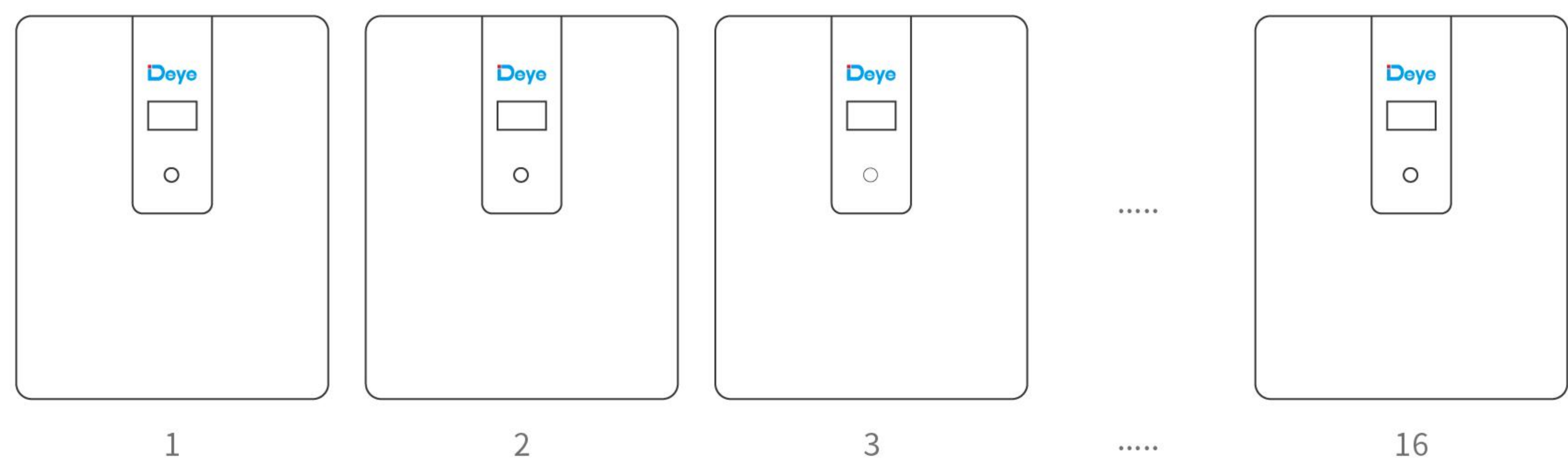
IP65

Rated for indoor and outdoor use

Model	RW-F5.1-2H2		RW-F5.1-1H2	
AC Technical Specification				
Rated AC Input / Output Active Power (W)	3600 / 3600		5000 / 5000	
Max AC Input / Output Apparent Power (VA)	3960		5500	
Peak Power (off grid)	2 time of rated power, 10s			
AC Output Rated Current (A)	16.4 / 15.7		22.8 / 21.8	
Max. AC Current (A)	18 / 17.3		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)	7200		10000	
Max. PV Input Power (W)	5760		8000	
Max. PV Input Voltage (Vdc)	500			
Start Up PV Voltage (Vdc)	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)	5.12			
Max. Charging / Discharging Current (A)	75		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)	0 ~ 55°C			
Permissible Ambient Humidity	0~100%			
Inverter Topology	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	94%			
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)			

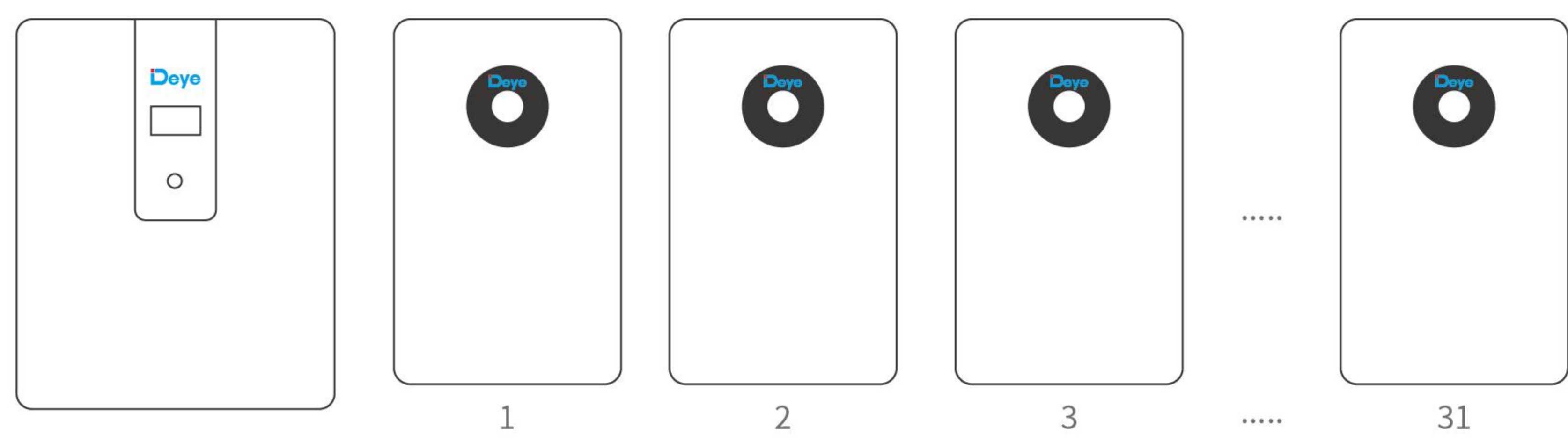
Maximum support for 16 units in parallel

RW-F5.1-2H2	57.6kW/81.9kWh
RW-F5.1-1H2	80kW/81.9kWh

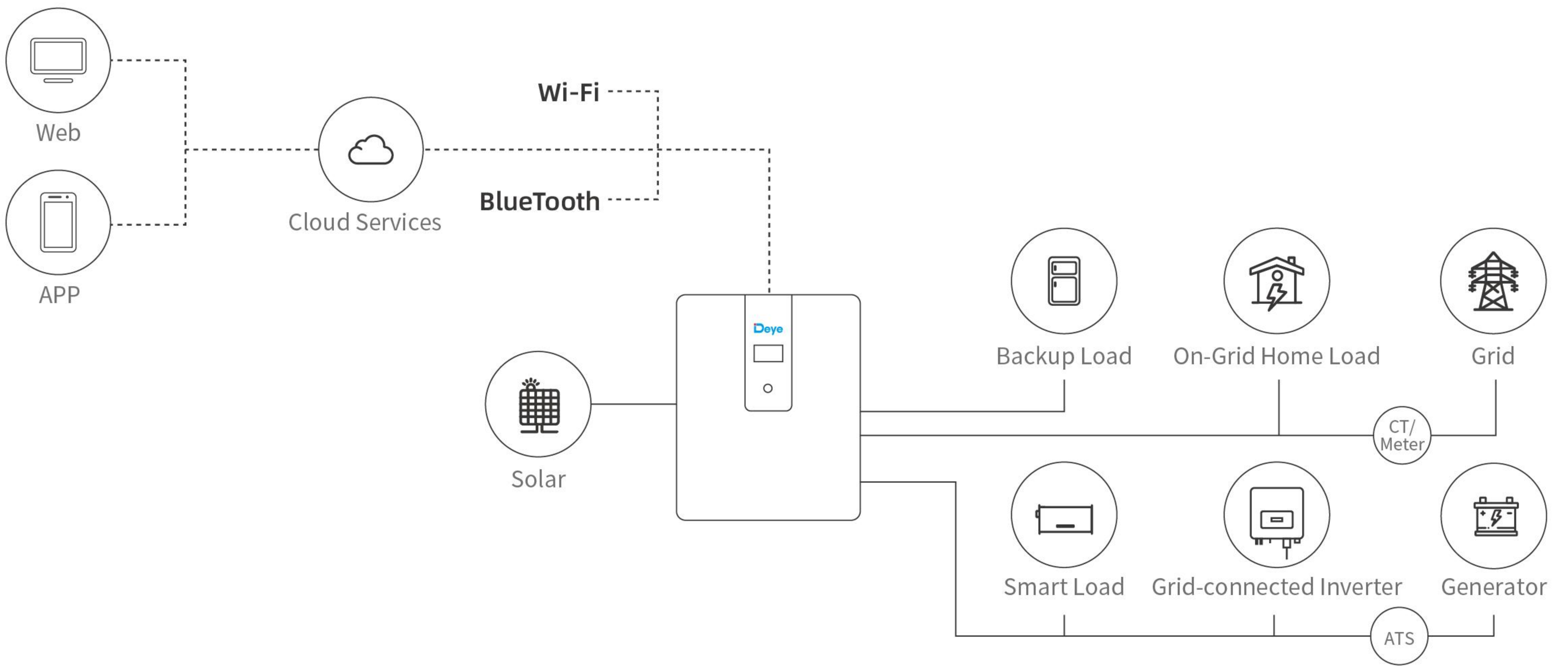


Maximum support for 31 Deye RW-L5.1 in parallel

RW-L5.1 and RW-F5.1-2H2/RW-F5.1-1H2	163.8kW
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System Application Topology Diagram





To Make ESS Better



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