

# PowerAll

## All-in-One for Home ESS

5 / 10 / 15 / 20 / 25 / 30kWh



### Advantages

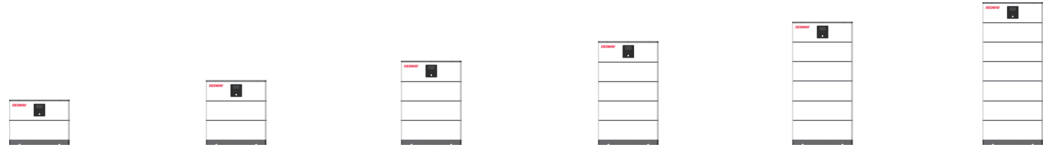
- Modular and integrated DC-coupled energy storage.
- Flexible battery capacity expansion.
- User-friendly one-button battery operation.
- Compatible with high current PV panels.
- Maximal battery energy with pack optimization.
- Extremely low battery self-consumption in sleep mode.
- Switchover time to critical loads less than 10 ms.
- MPPT.

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**PARAMETERS**



BATTERY	PA5	PA10	PA15	PA20	PA25	PA30
Battery Module	1	2	3	4	5	6
Battery Energy	5.04 kWh	10.08 kWh	15.12 kWh	20.16 kWh	25.2 kWh	30.24 kWh
Battery Capacity	105Ah	210Ah	315Ah	420Ah	525Ah	630Ah
Weight (Inverter and Battery)	85kg (187 lb)	138kg (304 lb)	191kg (421 lb)	244kg (538 lb)	297kg (654 lb)	350kg (771 lb)
Dimension (L*D*H)	580*420*430mm	580*420*615mm	580*420*800mm	580*420*985mm	580*420*1170mm	580*420*1335mm
Battery Type	LiFePO4					
Battery Rated Voltage	48V					
Battery Working Voltage Range	37.5V ~ 54.75V					
Maximum Charging Current	100A					
Maximum Discharging Current	100A					
Cycle Life (25°C@60%DOD)	> 8000 cycles					
Cycle Life (25°C@80%DOD)	> 6000 cycles					
Max. Parallel Quantity	6					

INVERTER	EU	US
<b>PV CHARGE</b>		
Solar Charge Type	MPPT	
Maximum Output Power	5 kW	
PV Charging Current Range	0 ~ 80A	
PV Operating Voltage Range	120 ~ 500V	
MPPT Voltage Range	120 ~ 450V	

<b>AC CHARGE</b>		
Maximum Charge Power	2100W	
AC Charging Current Range	0 ~ 60A	0 ~ 40A
Rated Input Voltage	220V/230V	110V/120V
Input Voltage Range	90V ~ 280V	90V ~ 140V

<b>AC OUTPUT</b>		
Rated Output Power	5 kW	
Maximum Output Current	40A	
Frequency	50Hz / 60Hz	
Overload Current	40A	

<b>INVERTER OUTPUT</b>		
Rated Output Power	5 kW	
Maximum Peak Power	10 kVA	7 kVA
Power Factor	1	
Rated Output Voltage (Vac)	230V	120V
Frequency	50Hz / 60Hz	
Auto Switch Period	< 15ms	
THD	< 3%	
Communication Interface	USB/RS485(WIFI/G PRS)Dry node control	

GENERAL		
Communication	RS485 / CAN (Optional: APP / WiFi)	
Charging Temperature Range	0 ~ 50°C	
Discharging Temperature Range	-15 ~ 55°C	
Operation Humidity	5% ~ 85%	
Nominal Operation Altitude	< 4000m	
Cooling Mode	Force Air Cooling	
Noise	60 dB(A)	
Ingress Protection Rating	IP21	
Operation Environment	Indoor	
Installation Method	Horizontal	
Alarms	Overcharge/OverDischarge/Overcurrent/Over Temperature/Short Circuit	
Design Life	20 Years	
Warranty	10 Years	
Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/Luxpower/SRNE/Voltronic/Deye etc.	
Color	White / Black	
Certifications	Cell: UN38.3 / IEC62619 / UL 1642	
	Battery Pack: UN38.3 / IEC62619 / IEC61000 (More available upon request.)	

