



All-In-One Energy Storage System

A Global leading Lithium Ion Battery Energy Storage Solutions Provider

2023
NEW ENERGY
Green Energy For A Better Life





Features

Safer Design

- Cobalt-Free Lithium Iron Phosphate Battery(LFP) with safety, longer lifespan, high power & energy density, light weight, intelligent BMS with providing complete protection.

All-In-One Design

- Integrating with off-grid inverter, battery bank built in BMS to avoid communication compatibility problem.

Modular Design

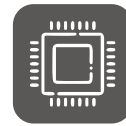
- Flexible capacity scalability, Max.6 units in parallel, Max. Capacity of 30.72kWh. Fast plug-in & plug-out with simple connection. Easy installation & Maintenance.

Visible Interface Design

- LCD display show the information about the equipment with in real time for fast monitoring.



LFP Cell



Built-In BMS



6000+ Cycles



Modular Design







Multi-Parallel



Integrated Inverter



Stackable All-In-One ESS

Structure				
	Parameters	1+3	1+4	1+5
Type	5KW/15.36kWh AC	5KW/20.48kWh AC	5KW/25.6kWh AC	5KW/30.72kWh AC
Battery	3	4	5	6
Inverter	1	1	1	1
Base	1	1	1	1

Off-grid Inverter

Rated Output Power	5KW			
Maximum Peak Power	10KVA			
Power Factor	1			
Rated Output Voltage (Vac)	230Vac		120Vac	
Frequency	50Hz		60Hz	
Auto Switch Period	<15ms			
Maximum AC Charge Power	3150W		2100W	
AC Charging Current Range	0~60A		0~40A	
Input Voltage Range	90~280Vac		90~140Vac	
Rated Output Power	5KW			
Maximum Output Current	30A			
Output Frequency	50Hz		60Hz	
Overload Current	35A		55A	
Solar Charge Type	MPPT			
Maximum PV Array Power	5KW			
PV Charging Current Range	0~80A			
MPPT Voltage Range	120~450V			

Battery

Capacity	15.36kWh	20.48kWh	25.60kWh	30.72kWh
Battery Voltage/Range	46.7-57V			
Maximum Charging Power	5000W			
Maximum Charging Current	60A			
Maximum Discharging Power	5000W			
Maximum Discharging Current	100A			

Other Information

Dimension Lx DxH	600*540*740mm	600*540*920mm	600*540*1100mm	600*540*1280mm
Weight	161kg	204kg	247kg	290kg
Operation Humidity	5%~85%			
Operating Temperature Range	-15°C ~ 55°C			
Nominal Operation Altitude	<2000m			
Ingress Protection Rating	IP20			
Noise	<60dB			



Features

Safer Design

- Cobalt-Free Lithium Iron Phosphate Battery(LFP) with safety, longer lifespan, high power & energy density, light weight, intelligent BMS with providing complete protection.

All-In-One Design

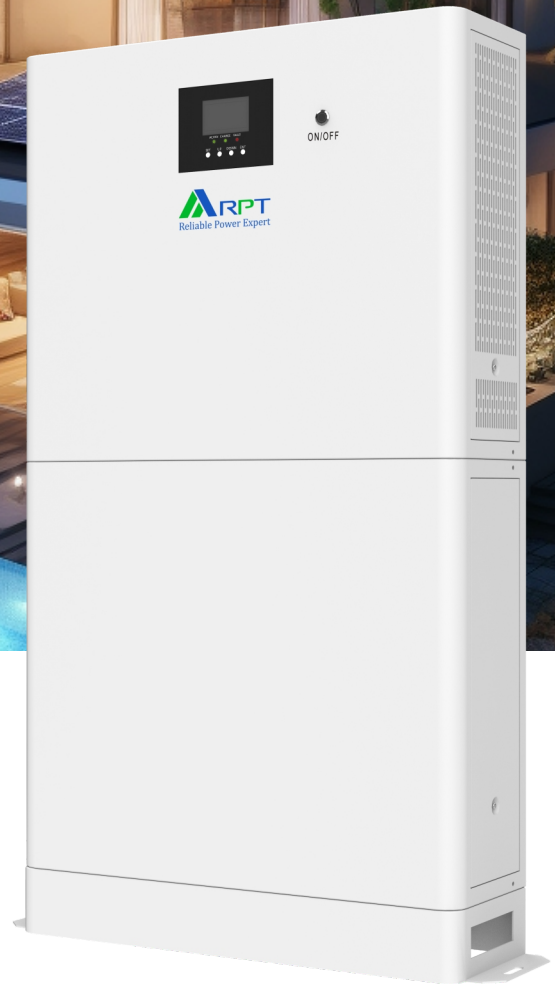
- Integrating with off-grid inverter, battery bank built in BMS to avoid communication compatibility problem.

Convenient Design

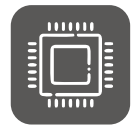
- Modular flat design, floor-mounted, saving installation space, easy maintenance.

Visible Interface Design

- LCD display show the information about the equipment with in real time for fast monitoring.



LFP Cell



Built-In BMS





Integrated Inverter



6000+ Cycles



Vertical All-In-One ESS

Structure		
	Parameters	
Type	5KW/5.12kWh AC	5KW/10.24kWh AC
Battery	1	2
Inverter	1	1
Base	1	1

Off-grid Inverter

Rated Output Power	5KW	
Maximum Peak Power	10KVA	
Power Factor	1	
Rated Output Voltage (Vac)	230Vac	120Vac
Frequency	50Hz	60Hz
Auto Switch Period	<15ms	
Maximum AC Charge Power	3150W	2100W
AC Charging Current Range	0~60A	0~40A
Input Voltage Range	90~280Vac	90~140Vac
Rated Output Power	5KW	
Maximum Output Current	30A	50A
Output Frequency	50Hz	60Hz
Overload Current	35A	55A
Solar Charge Type	MPPT	
Maximum PV Array Power	5KW	
PV Charging Current Range	0~80A	
MPPT Voltage Range	120~450V	

Battery

Capacity	5.12kWh	10.24kWh
Battery Voltage/Range	46-57V	
Maximum Charging Power	5000W	
Maximum Charging Current	60A	
Maximum Discharging Power	5000W	
Maximum Discharging Current	100A	

Other Information


Dimension Lx DxH	600*185*1100mm	600*185*1600mm
Weight	80kg	125kg
Operation Humidity	5%~85%	
Operating Temperature Range	-15°C ~ 55°C	
Nominal Operation Altitude	<2000m	
Ingress Protection Rating	IP20	
Noise	<60dB	




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