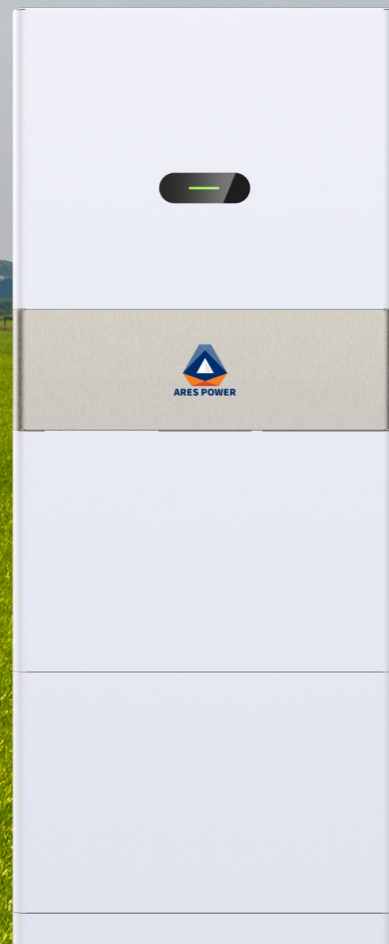




All-In-One

Energy storage system



All-In-One Inverter + batteries



Flexible energy storage capacity
5kWh/10kWh/15kWh



Long life LFP cell
Multiple battery protection



Wifi & Cloud platform
Remote management & maintenance



Strong load adaptability
UPS function, 10ms on/off grid switchover

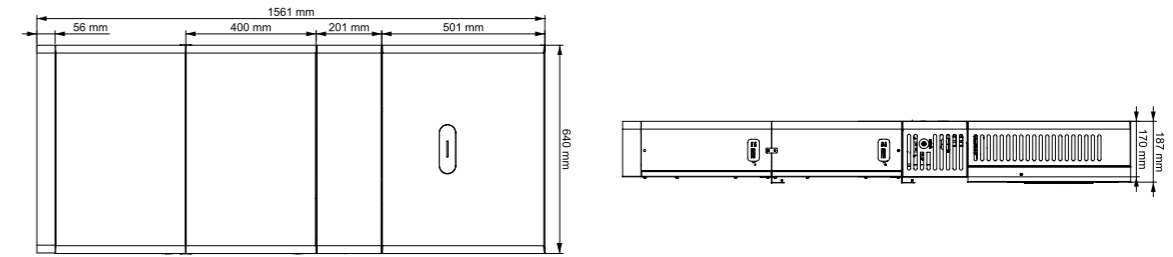
Powerone 3000-4000-5000-6000



All-In-One

Powerone 3000-4000-5000-6000

DRAWINGS(Unit:mm)



Model	Powerone 3000	Powerone 4000	Powerone 5000	Powerone6000
Hybrid Inverter				
Nominal Output Power	3000	4000	5000	6000
Nominal Voltage	220V/230V/240V			
Nominal Frequency	50/60Hz			
Nominal Output Current	13.6A	18.2A	22.7A	27.2A
Nominal Output THDu	<2%			
On-grid Parameter				
Nominal Output Power	3500W	5000W	6000W	6000W
Max. Input Current	20A	26.67A	27.5A	27.5A
Nominal Grid Voltage	220V			
Max. Output Current	13.6A	22.7A	27.2A	27.2A
Input Voltage Range	184-264V			
Nominal Frequency	45-65Hz			
PV Input				
Max. Input Power	4500Wp	6000Wp	8000Wp	9000Wp
Starting Voltage	75V			
Max. Input Voltage	600V			
MPPT Operating Voltage Range	80-550V			
Full Load MPPT Operating Voltage Range	300-500V			
Number of MPPT	2			
Nominal Input Voltage	360V			
Max. Input Current	13A			
Battery Parameter				
Battery Type	LFP (LiFePO4)			
Nominal Battery Voltage	51.2V			
Battery Voltage Range	42-60V			
Max. Charge/Discharge Current	75/75A	85/85A	100/100A	100/100A
Max. Charge/Discharge Power	3750W/3750W	4250W/4250W	5000W/5000W	5000W/5000W
Efficiency				
Max. Efficiency	97.50%	97.80%	98.00%	98.00%
European Efficiency	97.20%	97.30%	97.50%	97.50%
Max. Charging/Discharging Efficiency	94.6%/94.6%			
Protection	PV Insulation Resistance Detection, Residual Current Monitoring, Anti-island Protection, PV Reverse Polarity Protection, AC Over current Protection, AC Short Circuit Protection, AC Over voltage Protection, Surge Protection.			
Battery				
Module Model	LV5320-S2			
Battery Type	LFP 16S1P			
Rated Capacity	5.32kWh			
Usable Capacity	5.05kWh			
Nominal Voltage	51.2V			
Working Voltage	43.2-57.6V			
Max. Charge/Discharge Current	50A/100A			
Scalability	Recommended≤3			
Weight	45kg			
Dimension(WxDxH)	640mm x 170mm x 400mm			
Cycle Life	>6000 (25°C)			
System				
Number of Module	1	2	3	
Rated Capacity	5.32kWh	10.64kWh	15.96kWh	
Max. Battery Charge Power	3750W/4250W/5000W/5000W			
Max. Battery Discharge Power	3750W/4250W/5000W/5000W			
Nominal Voltage/Off-grid	220V/230V/240V			
Operating Temperature	Charge: -10~50°C Discharge:-20~50°C			
Operating Humidity	0-95% (No Condensation)			
Storage Temperature	0°C~45°C (Recommended)			
Storage Humidity	≤85% (RH)			
Display	LED, App			
Communication	RS485, CAN, WIFI			
Cooling Type	Natural cooling			
Operation Altitude	2000m			
Ingress Protection Grade	IP65			
Weight	72kg	117kg	162kg	
Dimension(WxDxH)	640mm x 170mm x 1150mm	640mm x 170mm x 1550mm	640mm x 170mm x 1950mm	
Certification & Standard	IEC62109-1:2011, IEC62109-2:2011, EN62109-1:2010, IEC62619-2017, EN62109-2:2011, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, VDE-AR-N 4105, VDE V 0126-1-1, G98/G99, CEI0-21, EN50549, RD 1699, NRS 097-2-1, AS 4777.2, R25, CE, UN38.3			

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The data in this product datasheet is purely indicative as the data may vary. Please be advised to check the accuracy of the data with the supplier before purchasing products.