

THE BEST GOT BETTER.

Innovative energy storage system
for three-phase power grid

The AIO3 ESS



All-in-One ESS - 3RD Generation

Australian Designed & Engineered - Wall or Ground Mounted - IP65 Rated
Expandable Storage - Available in Hybrid or AC Coupled - Seamless Switchover



10 Year Warranty or
10,000
Charging Cycles



Local &
Remote
Monitoring



Plug and Play



Expandable
Storage



Expert
Engineering



Seamless
Blackout
Protection

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TYPE	AIO3 ESS
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System Info

Power Ratings	5/8/12kW
Capacity	16-36kWh (stepped by 4kWh)
Usable Energy	14.4 - 32.4kWh
Dimensions (W*D*H)	640x340x1850mm (16-20kWh) 1280x340x1850mm (24-36kWh)
Weight	Inverter: 28kg 4kWh battery module: 35kg
Mounting information	Wall / Ground mount
IP Protection Type	IP55 for battery system, IP65 for inverter

Inverter Model	AIO3-INV-5K3P	AIO3-INV8K3P	AIO3-INV-12K3P
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Solar Input

Max. Input Voltage	1000V		
MPPT Voltage Range	160-950V		
Max. PV Current	14A/14A	26A/14A	26A/14A
Max. Short Circuit Current	16A/16A	32A/160A	32A/16A
Number of MPP Trackers	2		
Max. Number of PV Strings	2(1/1)	3(2/1)	3(2/1)

AC Output

Nominal AC Power	5000W	8000W	12000W
AC Voltage / Frequency	3/N/PE, 220/380V, 230/400V, 50/60Hz		
Nominal AC Current	8A	12.8A	19.2A
Switching Time to Backup	<20ms		

Battery Input

Battery Voltage	180-680V
Max Charge/Discharge Current	26A

Efficiency

MPPT Efficiency	99.90%		
Euro Efficiency	97.25%	97.30%	97.30%
Max. Efficiency	97.80%	98.00%	98.00%
Max. Charge/Discharge Efficiency	98.50% / 97.00%		

Battery Model	AIO3-BAT-16/20/24/28/32/36HV
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Battery Data

Cell Type	LFP
Total Energy	16-36kWh (stepped by 4kWh)
Max. Depth of Discharge	90%
Nominal Voltage	230.4V (16kWh) 288.0V (20kWh) 345.6V (24kWh) 403.2V (28kWh) 460.8V (32kWh) 518.4V (36kWh)
Max. Charge/Discharge Current	26A
Parallel NO.	Upto 8 batteries