

SMART RUGGED POWERFUL HOME ENERGY STORAGE

MAGELLAN HESS

AUSTRALIAN MADE...

One of the most cost effective residential energy storage systems available, HESS has been specifically designed for reliability in the harsh Australian conditions.

Made in Australia, The All In One Magellan Home Energy Storage System (HESS) converts sun energy into useable power and stores it in high performance lithium batteries, allowing you to use your solar power when you need it.

This combined with a smart bi-directional energy manager takes advantage of cheap, off-peak power to recharge the batteries, substantially reducing the cost of your electricity.

- Available in 6.5 and 13kWh
- Powerful inverter 5kVA
- Expandable modular battery design
- Energy trading ready
- Easily assembled & disassembled
- Intelligent Energy Management
- Easy to use colour touchscreen
- Easy WiFi connect
- Installation under eaves/ in garage
- Mobile App & Online Portal
- Monitoring
- High efficiency power conversion
- Internet of Things (IoT) ready
- High energy density batteries
- Compact, lightweight batteries
- LG Chem - battery supplier



EASY TO INSTALL

MONITOR VIA MOBILE

SPECIFICATIONS

MODEL	HESS
Nominal Capacity	4.6kW
Input/Output Phases	Single Phase
Standards Compliance	AS4777-2/-3 AS3100/ IEC62109-1/-2 IEC62040-1 IEC61000 IEC61233/ UL1642
Maximum Humidity	95% R.H, Non condensing
Cooling	Passive cooling with fan assist
Enclosure	Indoor/outdoor
Base Model Weight	Approx. 140kg (1 battery module)
Maximum Weight	Approx. 175kg
Material Finish	Aluminium with premium grade powder coating
Dimension (WxDxH)	1380mmH x 755mmW x 500mmD
User Interface	Colour touch screen 4:3"
Remote Monitoring Interfaces	Magellan Portal Smartphone App (Android and iPhone)
Communications Interface	Wifi USB
System Setup Software	Included
Data Logging	Internal non-volatile memory and cloud storage
Inverter Specifications AC	
Nominal AC Power	4.6 kW
Back Up Power	4.6kW - Overload 1.5 times for 10 seconds
Max AC Current	20A
AC Overcurrent Protection	32A
Nominal AC Output	50Hz; 230VAC
AC Input Range	45-55Hz; 180-270VAC
AC Current T.H.D	<1.5%
AC Output (Backup Option)	230 Vac \pm 2%, 50Hz \pm 0.2%
AC Voltage T.H.D	<3% (Linear Load)
Power Factor	0.8 leading ~ 0.8 lagging (Control Range)
Efficiency (euro)	97%
Ambient Temperature Range	- 20°C ~ 60°C (>45°C derating)