



ADVANCED ENERGY  
STORAGE SYSTEMS



## HUBBLE LITHIUM - X-101 51V 5.5KW

- Advanced BMS with current limiting function
- CAN Bus, fully integrates and communicates with leading Inverter brands
- Excellent high temperature performance
- High Cycle Life and Service Life
- RIOT integration ready for cloud monitoring
- 1C High Performance Lium battery
- High Energy Density and conversion efficiency
- Complete with integrated Battery Management System
- Compatible with most Inverters and chargers
- Low self discharge
- Installs easily in a standard server rack
- Heavy duty handles for easy handling
- Built in protection for over-charge, over-discharge & over-temperature



Renewable IoT Systems

**APPROVED BATTERY**

ITEM	SPECIFICATION		
Model	Hubble X-101		
Rated Capacity (5HR)	110 Ah		
Nominal Voltage	51.0 V		
Discharge Cutoff Voltage	42.0 V		
Equilized Charge Voltage	53.6 V		
Max. Continuous Charging Current	100 A		
Max. Continuous Discharging Current	100 A		
C Rating	1.0 C		
Weight	Approx. 42 Kg		
Display	4 U		
Parallel	Parallel connection up to 15 packs with full communications		
Dimensions (WxDxH) mm	442mm x 431mm x 177.5mm		
Ports	1x CAN-bus, 2x RS-485 Battery Link ports, 1x RS232		
Cells	New Li-ion Prismatic cells		
Design Life	+/- 15 Years		
Cycle Life @ 1C	+/- 3 000 Cycles @ 100% DOD, Above 6000 cycles @ 50% DOD		
Certification	CE, UN38.3, GBT31484-2015, GBT31485-2015, GBT31486-2015		
Outer Package Material	White bake lacquer steel case		
Operating Temperature	Charging: 0 to +55°C	Discharging: -10 to +55°C	Storage: -10 to +55°C
Protection	Electronic Circuit Breaker, BMS Voltage Protection, Current Limiting		

\* Due to continuous product improvements, specifications are subject to change without further notice.

All products are manufactured to the following standards:



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[hubblelithium.co.za](http://hubblelithium.co.za)