



12.8V 1.2KWH

V1.2

# S-100A

**SERIES AND PARALLEL READY**



- Low self discharge ✓
- High cycle and service life ✓
- 1C High performance lithium battery ✓
- Internal Battery Management System ✓
- Excellent high temperature performance ✓
- High energy density and conversion efficiency ✓
- Can be configured in 12V, 24V, 36V or 48V in series ✓
- BMS protects internal cells and ensures smooth operation ✓
- Built in protection for over-charge, over-discharge & over-temperature ✓
- Compatible with most UPS & Inverters using AGM/VRLA charge setting ✓
- Suitable for lead acid replacement when paired with lithium compatible inverters ✓
- \*\*Can parallel up to 16 batteries in 48V configuration. 4 in series and 4 in parallel ✓

# TECHNICAL DATA

ITEM	SPECIFICATIONS
Model	Hubble S-100A
Rated Capacity (5HR)	100 Ah
Nominal Voltage	12.8 V
Discharge Ending Voltage	12V
Charging Limited Voltage	14V
Max. Charging Current	100 A
Max. Continuous Discharging Current	100 A
Cell C Rating	1.0 C
Depth of Discharge	100%
Weight	Approx. 10.5 Kg
Configuration	4 in series with 4 banks in parallel for maximum 16 batteries
Parallel	Parallel connection is up to 4 strings
Dimensions (W x D x H)mm	305mm x 170mm x 220 mm
Maximum DC Limits	Maximum 100 Amp Charge per bank & 100Amp discharge per bank
Cells	1st LiFe Prismatic LiFePO4
Design Life	+/- 15 years
Cycle Life @ 1C	+/- 4 000 Cycles
Certification	CE, UN38.3, GBT31484-2015, GBT31485-2015, GBT31486-2015
Outer Package Material	Black Polypropylene Plastic
Operating Temperature	Charging: 0 to +55°C   Discharging: -20 to +55°C   Storage: -20 to +55°C
Protection	Electronic Circuit Breaker, BMS Voltage Protection, Under Voltage Protection
IP Rating	IP65

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

\*\*When connecting multiple batteries in series, ensure you use a battery balancer else the warranty will be void.

\*\*\*To prolong battery life the recommended charging current is 30 A.



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