



HUBBLE LITHIUM

ADVANCED ENERGY STORAGE SYSTEMS



Hubble Lithium - LiFePO4

- Full BMS Integration with Axpert & Infinisolar Inverters
- Intra-system balancing
- Flame retardant system to UL94V-0
- Excellent high temperature performance
- High Cycle Life and Service Life
- 20 Year Design Life ESS
- Advanced LCD display with battery state, voltage, cycles etc.
- High Energy Density and conversion efficiency
- Environmentally friendly, without any heavy metals
- Complete with integrated Battery Management System
- Compatible with most VRLA chargers
- Low self discharge of 2 years before required charging
- Easy Installation for 19 Inch cabinet
 - Wallmount capable
 - Built in protection for over-charge, over-discharge & over temperature

ITEM	SPECIFICATION	
Model	Hubble X-100	
Rated Capacity (5HR)	100 Ah	
Nominal Voltage	48.0 V	
Discharge Ending Voltage	42.0 V	
Charging Limited Voltage	54.0 V	
Max. Charging Current	100 A	
Max. Continuous Discharging Current	100 A	
C Rating	1.0 C	
Weight	Approx. 46 Kg	
Display	With a LCD display screen	
Parallel	Parallel connection is optional (up to 15P).	
Dimensions (W*D*H) mm (inches)	442 (17.40") * 431 (16.97") * 177.5 (6.99")	
Cabinet U Classification	4U	
Cell	3.2V 100Ah	
Design life	More than 20 years	
Cycle Life @ 100% DOD	+/- 3 700 Cycles @ 0.5C	+/- 3 700 Cycles @ 1.0C
Cycle Life @ 50% DOD	+/- 12 400 Cycles @ 0.5C	+/- 11 000 Cycles @ 1.0C
Certification	IEC60896, IEC61427, CE, ISO9001	
Outer Package Material	White bake lacquer steel case	
Operating Temperature	Charging: 0 to +60°C	Discharging: -20 to +60°C Storage: -20 to +60°C
Protection	Integrated Circuit Breaker, BMS voltage protection	

Discharge Tables

Constant Current Discharge Table (Amperes) at 25C						
Model	Voltage / Time	1 H	2 H	3 H	5 H	10 H
X-100	End of discharge voltage 42V	95 A	49 A	33 A	20 A	10 A

Constant Power Discharge Table (Watts) at 25C						
Model	Voltage / Time	1 H	2 H	3 H	5 H	10 H
X-100	End of discharge voltage 42V	4460W	2295 W	1150 W	940 W	475 W

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

All products are manufactured to the following standards:

