



410V 41kW

# HV-410



V1.1

- Intelligent Touch Screen ✓
- 1C High-Performance ESS ✓
- High cycle and service life ✓
- Easy Rackmount System Modules ✓
- Firmware updates over the internet ✓
- Cloudlink 24/7 monitoring included ✓
- 8 Packs of 16 Cell LiFePO4 battery system ✓
- Compatible with most High Voltage Inverters ✓
- Modular HV System for ease of transport and installation ✓
- CAN Bus comms fully integrates with leading inverter brands ✓
- Parallel up to 8 ESS Systems per string with full communications ✓

# TECHNICAL DATA

ITEM	SPECIFICATIONS
Model	Hubble HV-410
Rated Capacity (5HR)	100 Ah
Nominal Voltage	410 V
Discharge Cutoff Voltage	358 V
Equalized Charge Voltage	446 V
Max. Continuous Charging Current	100 A
Max. Continuous Discharging Current	100 A
C Rating	1C
Depth of Discharge	100%
Weight	Approx. 500kg without cabinet
Monitoring	Wi-fi enabled cloud monitoring
Parallel	Parallel connection up to 8 ESS systems with full communications
Dimensions (mm)	Standard 42U Cabinet dimensions: 2090 (h) x 693 (w) x 1102 (d)
Ports	1x CAN-bus, 2x Battery Link Ports
Cells	16 Cells per pack. 128 Cells Total. New Li-ion Prismatic LiFePO4 cells
Design Life	+/- 15 Years
Cycle Life	Above 6000 cycles @ 80% DOD, +/- 4 000 Cycles @ 100% DOD
Certification	CE, UN38.3, GBT31484-2015, GBT31485-2015, GBT31486-2015
Outer Package Material	Black baked lacquer steel case
Operating Temperature	Charging: 0°C to +55°C   Discharging: 0°C to +55°C   Storage: 0°C to +55°C
Protection	Circuit Breaker per Pack, BMS Over/Under Voltage Protection, Current Limiting

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

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



## PRO MONITORING

24/7 Monitoring and notifications of your ESS system from anywhere in the world comes standard. Detect potential problems before potential issues occur leading to downtime.