

HVE-1

HIGH VOLTGE BATTERY SYSTEM



wirentech

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HVE-1 series is a high voltage battery that offers multiple energy storage options through an expandable modular design (2-10 modules combined), which further simplifies installation and O&M with multiple smart functions. The safest battery cell technology (LFP) comes with a high charging rate, ensuring superior performance

Energy
51.2V 72Ah
(3.68KWh)

10 Years
Warranty

- ★ Flexible capacity options, 7.37KWh to 36.86KWh
- ★ Easy installation with modular and stacked design
- ★ Remote diagnosis and real-time data monitoring



- ★ LCD
Touchable LCD allows you to view and select inverter brands, the default inverter is Sol-Ark (Deye) and optional inverters include Victron, Growatts, SMA, Schneider and Megarevo.

Electrical Parameters									
No. of series battery	2	3	4	5	6	7	8	9	10
Rated energy (kWh)	7.37	11.05	14.75	18.43	22.12	25.80	29.49	33.18	36.86
Usable energy (kWh)	6.85	10.27	13.71	17.13	20.56	23.98	27.41	30.84	34.26
Rated voltage (V)	102.4	153.6	204.8	256	307.2	358.4	409.6	460.8	512
Voltage range (V)	89.6~115.2	134.4~172.8	179.2~230.4	224~288	268.8~345.6	313.6~403.2	358.4~460.8	403.2~518.4	448~576
Rated capacity (Ah)	72								
Charge current (A)	25 (Recommended) / 50 (MAX)								
Discharge current (A)	25 (Recommended) / 50 (MAX)								
Cycle times	80% DOD, cycles>6000, residual capacity>70%								
Communication	RS485 / RS232 / CAN 2.0								
Protection function	Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit								
Size [LxWxH, mm]	851*255*358	851*255*488	851*255*618	851*255*748	851*255*878	851*255*1008	851*255*1138	851*255*1268	851*255*1398
Weight [kg]	72	104	136	168	200	232	264	296	328
Working Conditions									
Installation	Indoor								
Working temperature	-10°C~50°C								
Optimum working temperature	20°C~30°C								
Storage temperature	-30°C~60°C								
Protection degree	IP20								
Humidity	5%-95%								
Altitude	≤2000								
Cooling	Natural								
Certificate	UN38.3,MSDS								



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