



VINFAST
ENERGY

BOX SOLUTION



DC PARAMENTER

Cell	LFP 3.2V / 52Ah
Cell Cycle Life	> 4000 cycles ($\geq 70\%$ SOH @25°C)
System Configuration	16S2P
Nominal Voltage	51.2 V
Working Voltage Range	48 V – 54.4V
Charge/Discharge ratio	$\leq 0.5C$
Max. Stacking	5 stacks

STACKING PARAMETER

Number of packs	1	2	3	4	5
Nominal Energy [kWh]	5.3	10.6	15.9	21.2	26.5
Usable Energy [kWh] (at 90% DoD)	4.8	9.6	14.4	19.2	22
Max. Output Power [kW]	2.4	4.8	7.2	9.2	9.2
Max. Output Current [A]	52	104	156	200	200

GENERAL PARAMETER

Operating temperature	-20°C to 55°C
Relative Humidity	0 – 95%
Working Altitude	$\leq 4000m$
Cooling Concept	Passive Cooling
IP Rating	IP 55
Communication Interfaces	CAN or RS485
Communication Protocol	CAN 2.0B or Modbus RTU
Dimension [Single box]	625 x 400 x 203 (mm)
Weight [Single box]	~52 kg
Compliance (Current & Expected)	UL 1973, UL 60730-1, UL 9540, UL 9540A IEC 63056, IEC 62619 UN38.3