



**VINFAS  
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
<b>Nominal Energy [kWh]</b>	<b>5.3</b>	<b>10.6</b>	<b>15.9</b>	<b>21.2</b>	<b>26.5</b>
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

