



20FT CONTAINERIZED SOLUTION

DC PARAMENTER

Cell	LFP 3.2V/300Ah
Cell Cycle Life	>8000 cycles @25±2°C, 0.5P/0.5P 90% DOD, 70% EOL
Module Configuration	24S1P
Rack Configuration	384S1P
System Configuration	10 Battery Racks
System Capacity (BoL)	3,686 kWh
DC Usable Energy (at 90% DoD)	3,318 kWh
Nominal Voltage	1,229V
Working Voltage Range	960 – 1,402 V
Charge/Discharge ratio	≤ 0.5C

GENERAL PARAMETER

Operating temperature	-20°C to 55°C
Relative Humidity	0 – 95%
Working Altitude	< 4000m
Cooling Concept	Active Liquid Cooling
Fire Suppression System	Potassium Aerosol
IP Rating	IP 55
Communication Interfaces	Ethernet
Communication Protocol	Modbus TCP/MQTT
Dimension	6058 x 2462 x 2896 (20ft)
Weight	~36T

Compliance
(Current & Expected)

UL 1973, UL 60730-1, UL 9540, UL 9540A
IEC 62619, IEC 62933-5-2, IEC 63056
UN38.3





TOWER SOLUTION

DC PARAMETER	OUTDOOR TOWER	INDOOR TOWER
Cell	LFP 3.2V/300Ah	
Cell Cycle Life	>8000 cycles @25±2°C, 0.5P/0.5P 90% DOD, 70% EOL	
Module Configuration	8S1P	
Rack Configuration	144S1P	
System Configuration	18 Battery Modules	
System Capacity (BoL)	138.3 kWh	
DC Usable Energy (at 90% DoD)	124.4 kWh	
Nominal Voltage	460V	
Working Voltage Range	360V - 525 V	
Charge/Discharge ratio	≤ 0.5C	
AC PARAMETER		
Rated Voltage	320V – 530V	
Frequency	50 Hz / 60 Hz	
Maximum Power	66 kW	
PCS Max. Efficiency	≥ 96.5%	
THDi	< 5%	
GENERAL PARAMETER		
Off-Grid Support	YES	
Operating Temperature	-20°C to 55°C	18°C to 28°C
Relative Humidity	0 – 95%	0 – 85%
Working Altitude	< 2000m	
Cooling Concept	Active Air Cooling	Passive Cooling
Noise	≤ 75db	≤ 60db
Fire Suppression System	FM200	NA
IP Rating	IP 55	IP 20
Communication Interfaces	Ethernet	Ethernet
Communication Protocol	Modbus TCP/MQTT	Modbus TCP/MQTT
Compliance	UL 1973, UL 60730-1, UL 9540, UL 9540A	
{Current & Expected}	IEC 62619, IEC 62933-5-2, IEC 63056	
	UN38.3	





**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 0.3C
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
Output Power [kW]	1.44	2.88	4.32	5.76	7.2
Output Current [A]	31.2	62.4	93.6	124.8	156

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

