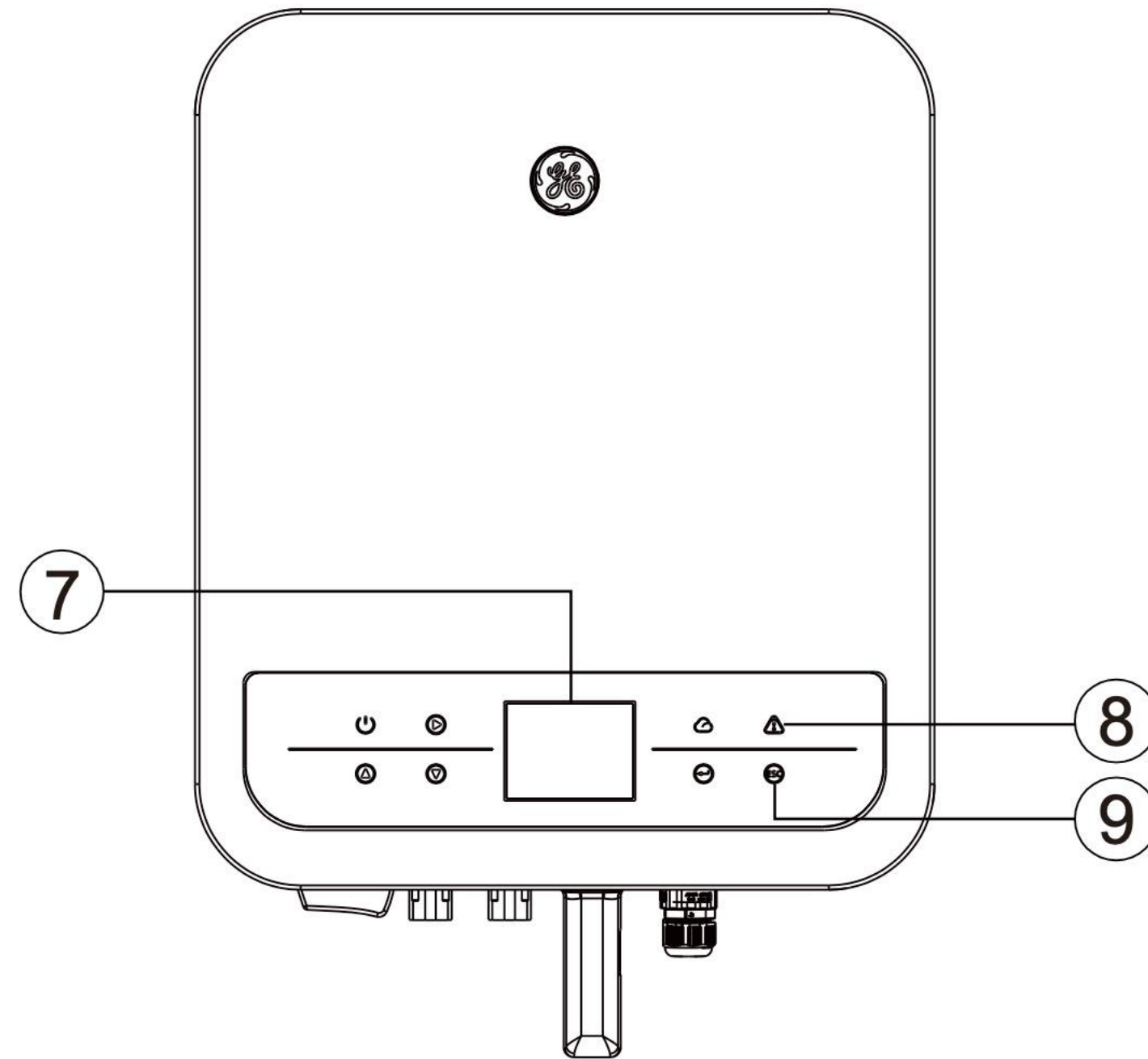
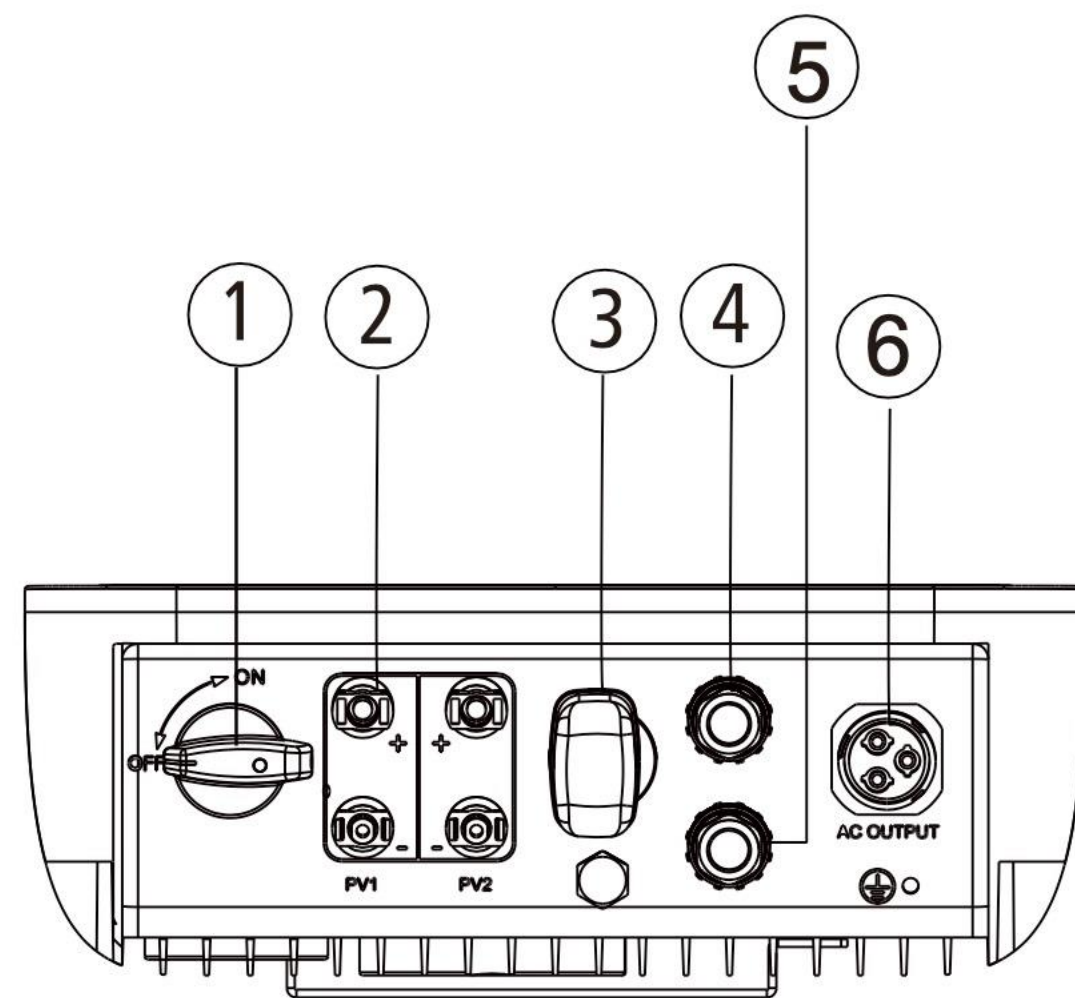




# GEP 3-5kW Single Phase Inverters

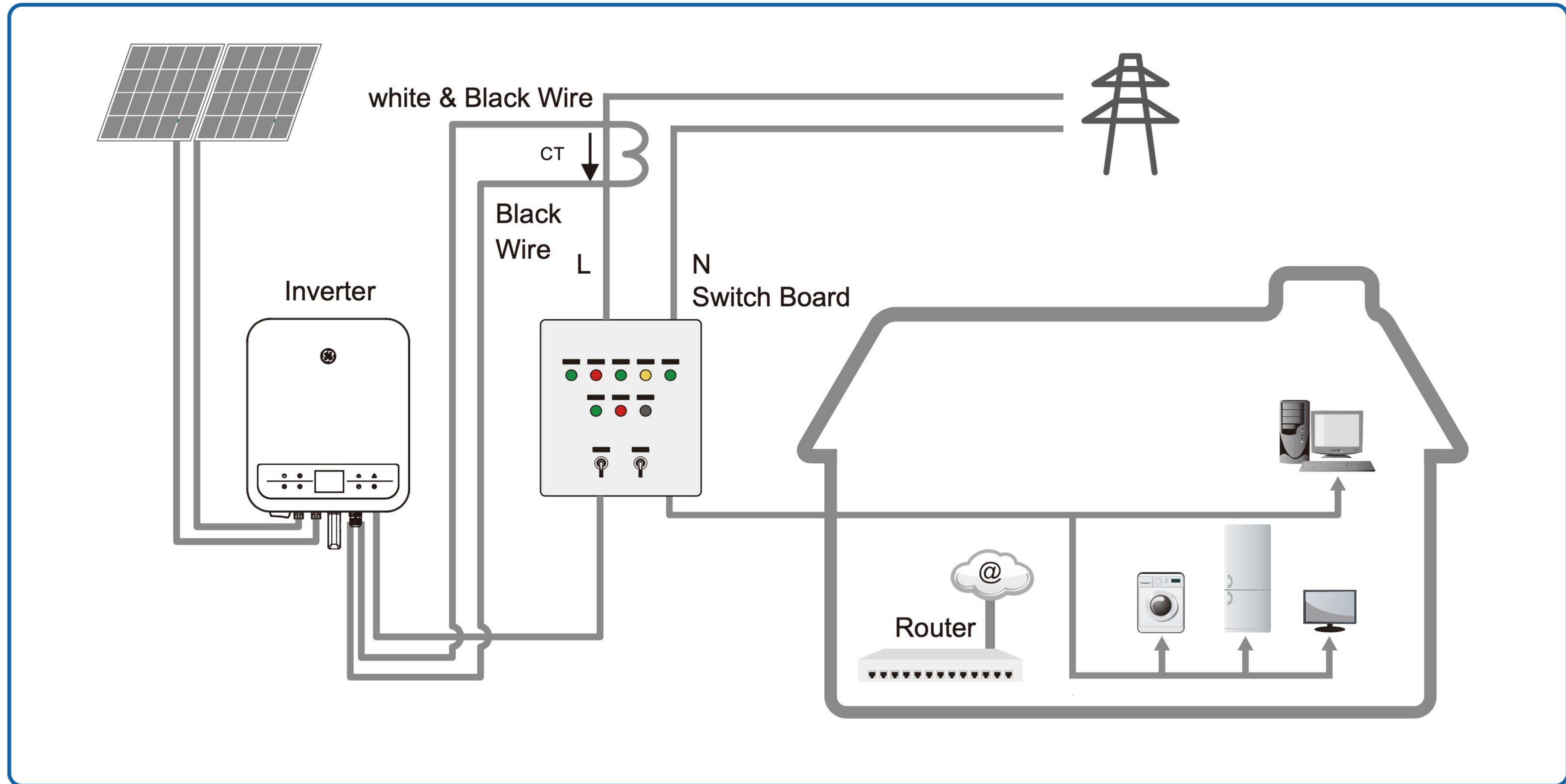




1. DC Switch (Optional)
2. PV Input Terminals
3. Wi-Fi /LAN Module (Optional)
4. DRED Function (Optional)
5. CT and RS485
6. AC Output Terminal
7. LCD Display
8. Indicator Lights
9. Buttons

#### 4.4.4 Export Power Limit Connection Diagram

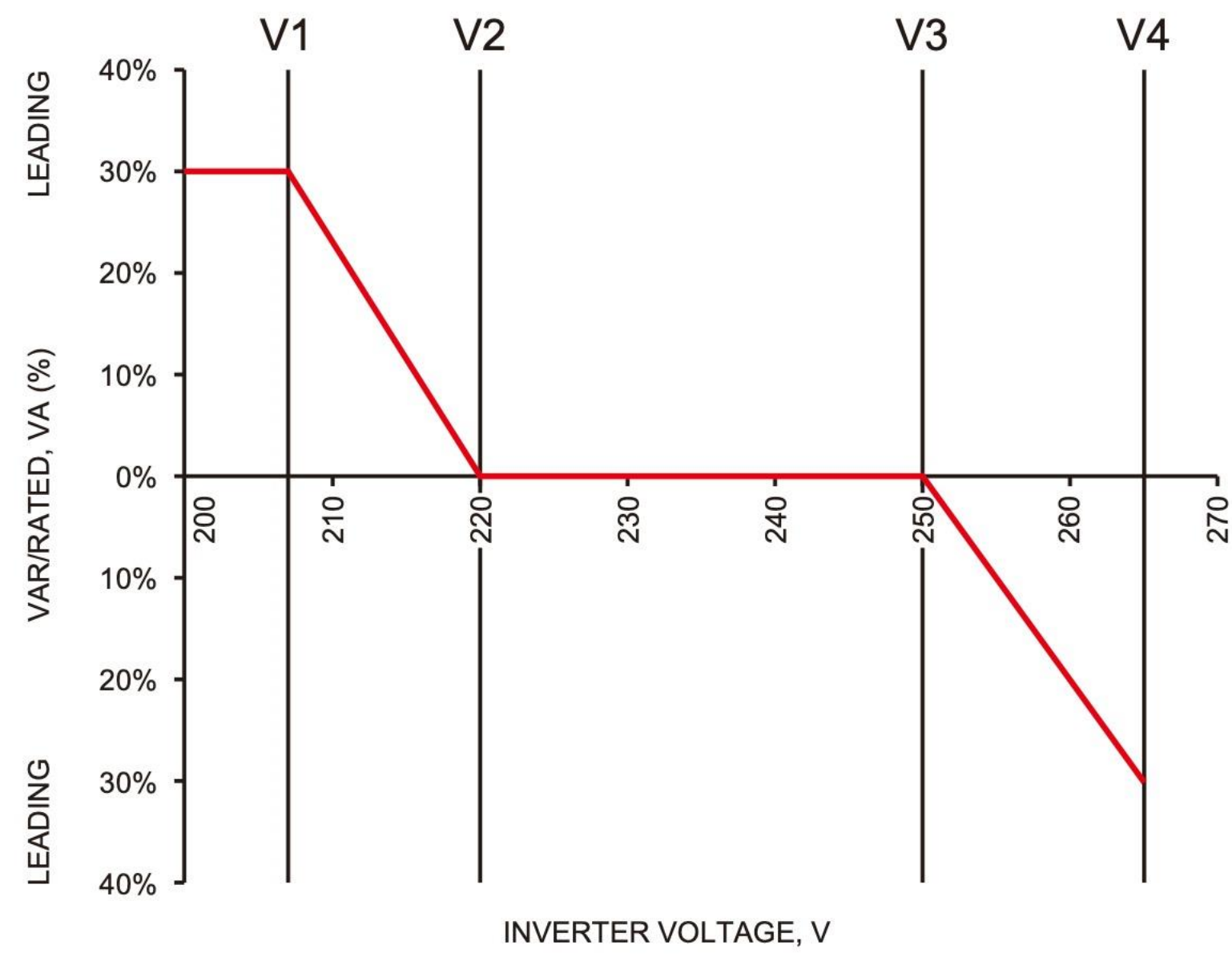
The methods of connecting the Power Limiting device CT is shown below.



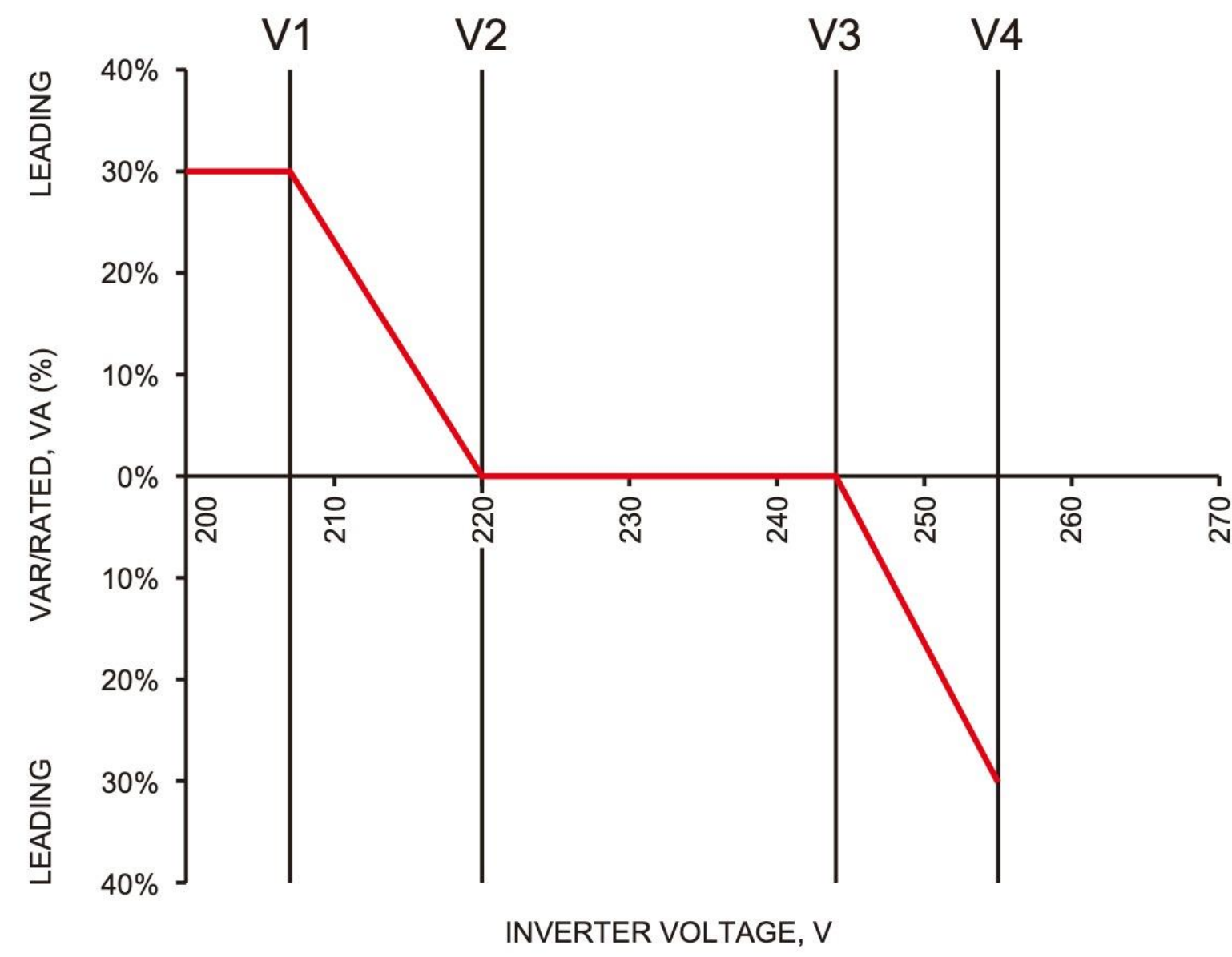
Technical Data	GEP4.6-1-10	GEP5.0-1-10
<b>PV String Input Data</b>		
Max. DC Input Power (W)	7500	7500
Max. DC Input Voltage (V)	600	600
MPPT Range (V)	80~550	80~550
Start-up Voltage (V)	80	80
Min. Feed-in Voltage(V)	100	100
Nominal DC Input Voltage (V)	360	360
PV Input Operating Voltage range (V)	80~600	80~600
Max. Inverter Backfeed Current To The array (A)	0	0
Max. Input Current (A)	13/13	13/13
Max. Short Current (A)	16.3/16.3	16.3/16.3
No. of MPP Trackers	2	2
No. of Input Strings per Tracker	1	1
<b>AC Output Data</b>		
Nominal Output Power (W)	4600	4999
Max. Output Apparent Power (VA) [1]	4600	4999
Nominal Output Voltage (V)	230V	230V
Nominal Output Frequency (Hz)	50	50
Max. Output Current (A)	20	21.7
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Output THDi (@Nominal Output)	<3%	<3%
Current(inrush)	130	130
Maximum output fault current	155	155

### 5.5.3 QU Curve Mode

QU curve mode can be modified by Modbus communication, specifically according to the inverter Modbus address and Modbus register value, according to the set range to set the corresponding value.



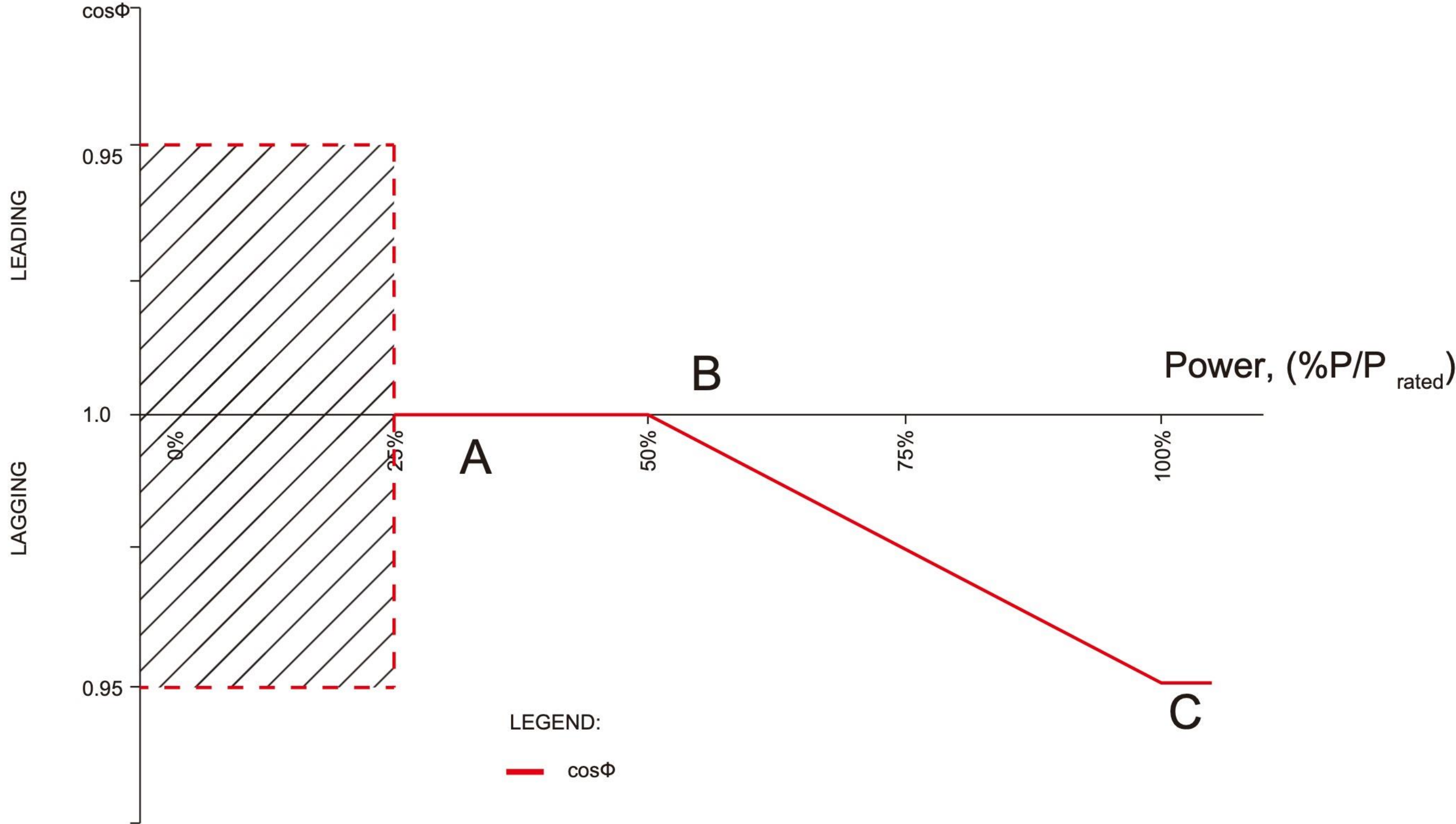
LEGEND:  
— var characteristic curve



LEGEND:  
— var characteristic curve

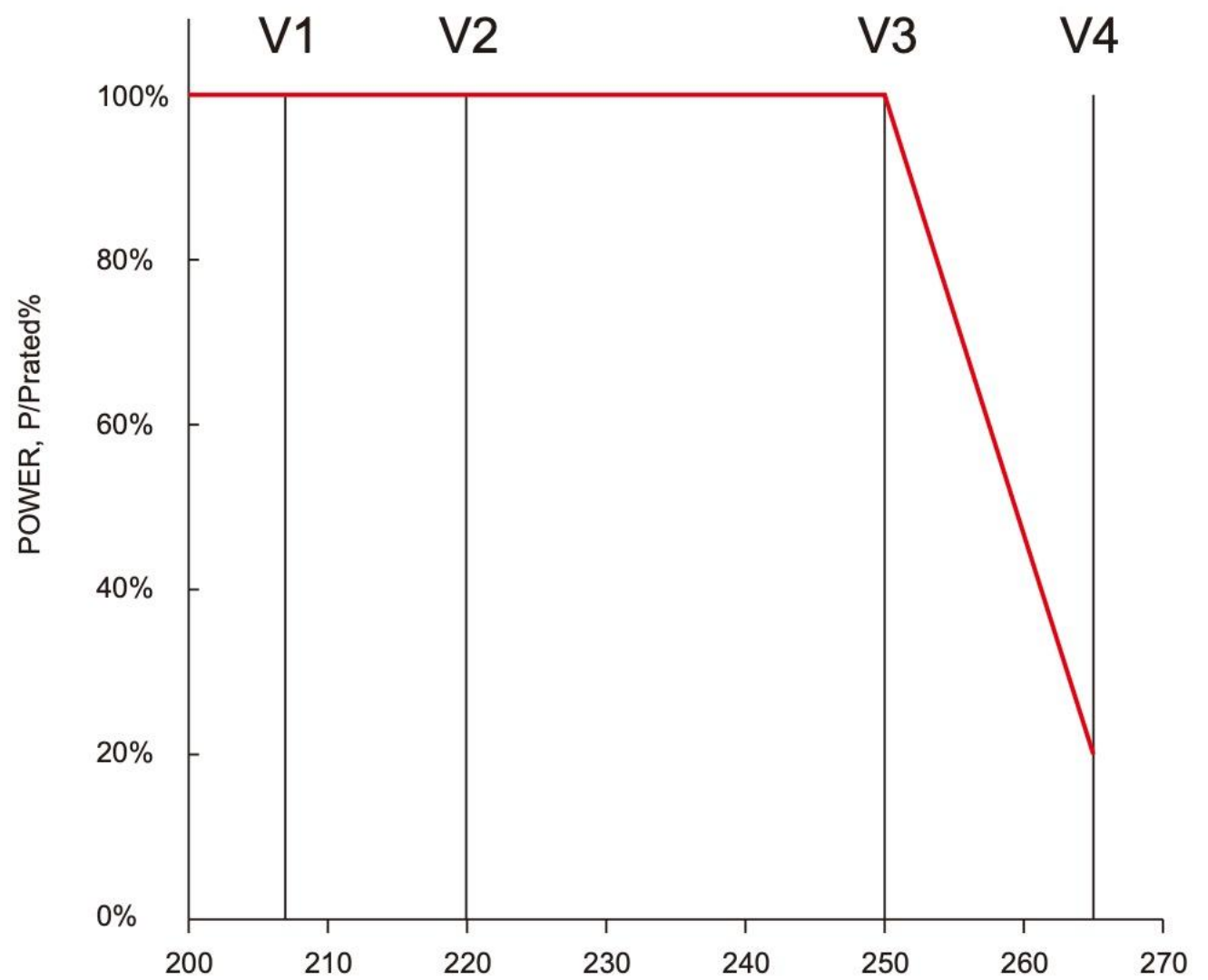
### 5.5.1 PF Power Curve Mode

PF power curve mode can be modified by Modbus communication method, specifically according to the inverter Modbus address and Modbus register value, according to the set range in the set the corresponding value.

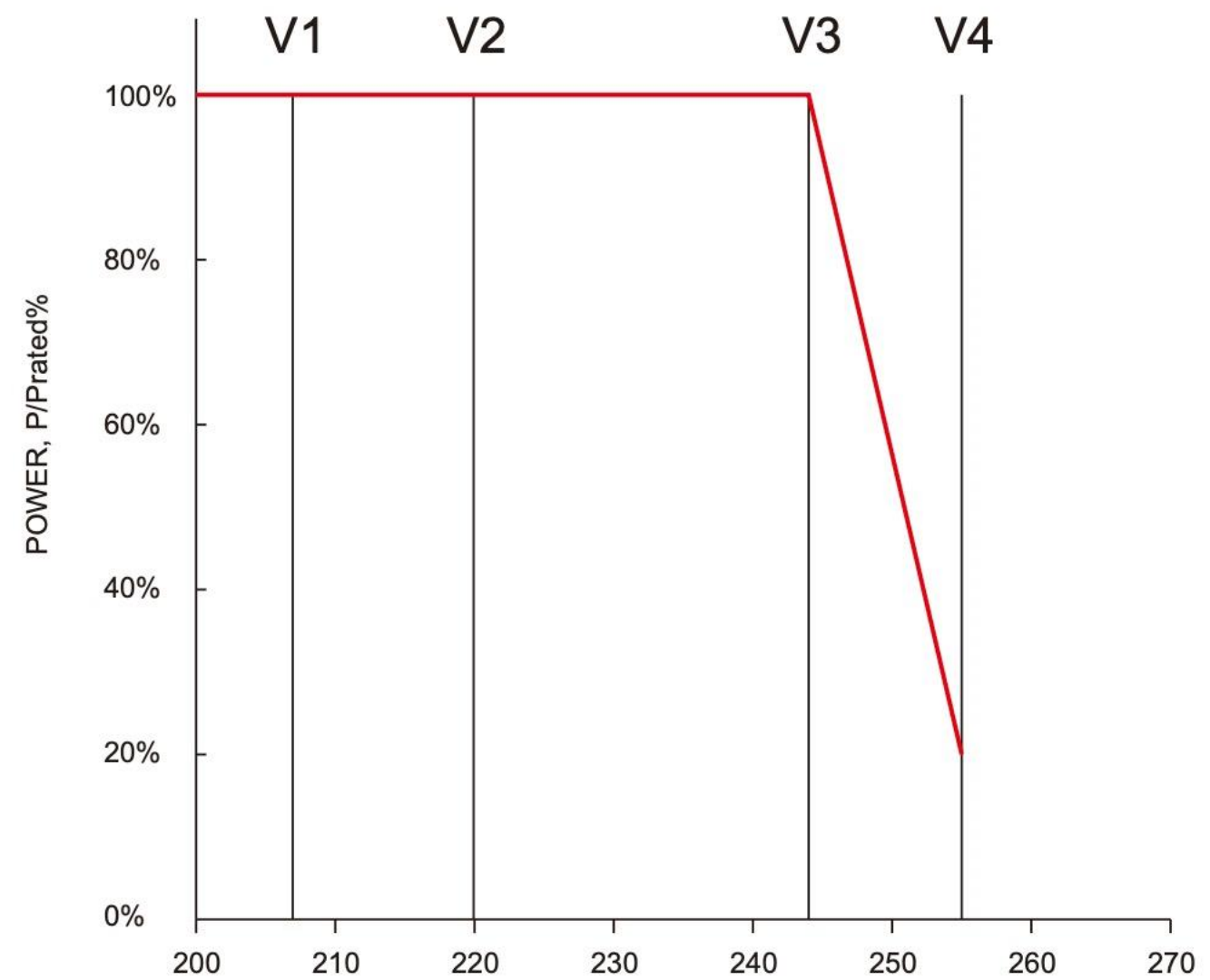


### 5.5.2 PU Curve Mode

The PU curve mode can be modified by Modbus communication method, specifically according to the inverter Modbus address and Modbus register value, according to the set range to set the corresponding value.



Example curve for a volt-watt response mode (Australia)



Example curve for a volt-watt response mode (New Zealand)



WiFi

# Configuration

9



Basic



Advanced

03/09/2020 11:17:48

Normal



## Configuration

Language >

Date & Time >

Communication >

Country Code >

Grid Connection >

03/09/2020 11:17:51

Normal



## Configuration

Language >

Date & Time >

Communication >

Country Code >

Grid Connection >

03/09/2020 11:17:56

Normal

Country Code

Danmark

Belgium

Romania

G99/1

Australia



03/09/2020 11:18:01

Normal



# Grid Connection

Disconnect

Connect



03/09/2020 11:18:09

Normal

WiFi

# Running Info

9

Vac	241.0V
Iac	14.3A
Fac	49.97Hz
Vpv1/2	0.0/362.4V
Ipv1/2	0.1/7.6A

03/09/2020 11:18:23

Normal

WiFi

9



2843 W

5.1kWh  
E-DAY

103.5kWh  
E-TOTAL

x0  
CARBON

03/09/2020 11:17:02

Normal

WiFi

# History Info

9

Hour

Day

Month

Year

3kWh

2020-09-03

1.0

0.8

0.6

0.4

0.2

0

4

6

8

10

12

14

16

18

20

03/09/2020 11:17:37

Normal





