

# Smart Residential ESS Solution

V-Power Series



14.33kWh

---

## Features and Advantages



Intelligent BMS, multiple real-time protections, timely failure warnings, and user friendly



Stronger overcurrent ability and larger capacity to meet daily needs



Provides remote monitoring APP and intelligent management of the cloud platform



Excellent performance standards, 6000 cycles lifespan



Floor installation, easy installation to save time and cost



Fashionable appearance design with a variety of color options

# SPECIFICATION

Model	VT-48280
Chemistry	LiFePO <sub>4</sub>
Nominal Battery Energy (kWh)	14.33
Nominal Capacity (Ah)	280
Nominal Voltage (Vdc)	51.2
Working Voltage (Vdc)	46.4-58.4
Rated Charge Voltage/@25°C (Vdc)	58.4
Charge Current/Max. Continuous (A)	200
Discharge Cut-off Voltage/@25°C (Vdc)	43.2
Discharge Current/Max. Continuous (A)	200
Depth of Discharge (%)	80
Ambient Temperature/Charge (°C)	0~55
Ambient Temperature/Discharge (°C)	-20~60
Dimension/W*H*D (mm)	500 * 842 * 260
Net Weight (kg)	124.1
IP Rating	IP20
Expansion	Up to 15 units in parallel
Color	White/Black
Communication	CAN/RS-485
Cooling Mode	Natural
Cycle Life	≥6000, 80%DOD@25°C
Design Life	10+ Years (25°C/°F)
Installation Method	Vertical
Humidity	5% ~ 95%(RH) No Condensation
Altitude(m)	<2000
Alarms	Overcharge/Over-discharge/Overtemperature/ Overcurrent/Short Circuit etc.
Compatible Inverters	Deye/Solis (Ginlong)/ Sinexcel(Isuna)/Afore/SunSynk
Certification & Safety Standard	UN38.3/ IEC62619/EN61000

**Disclaimer:**

This document may contain forecast information, including but not limited to future finances, operations, product series, new technologies, etc. Due to practice the uncertainty in the actual results may differ from the predicted information. Therefore, the information in this document is for reference only and does not constitute any offer or promise. V-TAC may modify the above information without notice.



POWERROAD

EN

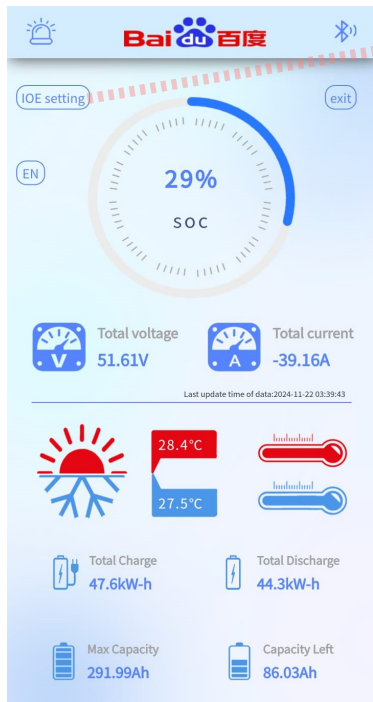
register

username

password



# Smart Residential APP



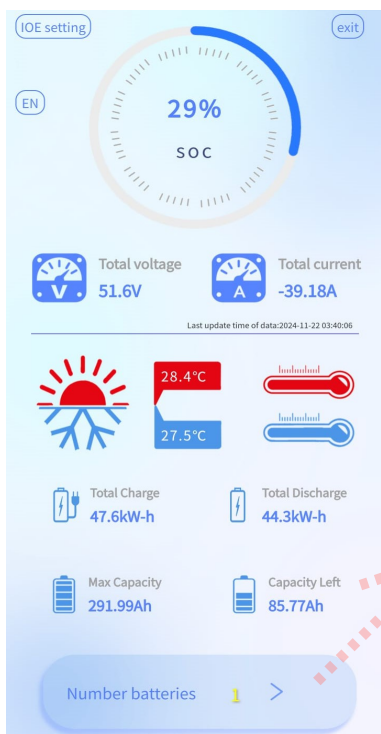
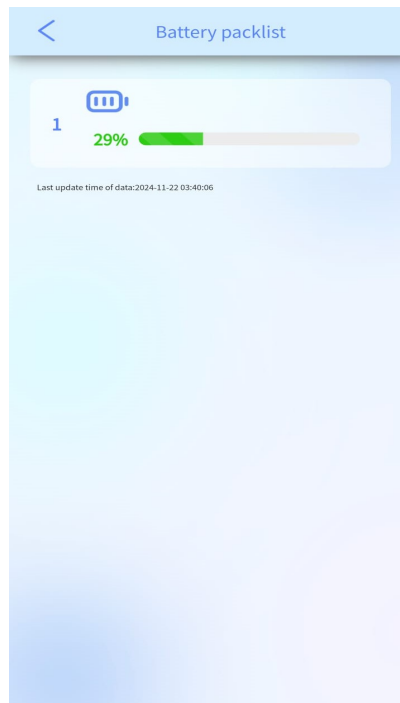
IOE setting

Wi-Fi name:

Wi-Fi password:

Inverter:  Please select  Please select  Please select

Read Setting



Voltage information

V1:	3.226	V2:	3.224
V3:	3.225	V4:	3.225
V5:	3.227	V6:	3.226
V7:	3.226	V8:	3.227
V9:	3.218	V10:	3.221
V11:	3.231	V12:	3.231
V13:	3.231	V14:	3.229
V15:	3.219		

Temperature information

Terminal temperature1:	Terminal temperature2:
28.1°C	28.4°C
Electrode temperature1:	Electrode temperature2:
27.9°C	27.5°C