# Commissioning Guide and Parameter Settings

Storage S2 AIO-10KWH1P2S-CE

LAVO

LAVO S2AIO Commissioning and Parameter Settings

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### 1. Download and Register Accounts

### 1.1 Download

Please scan the QR code to download and install the LAVO S2 application.



#### 12 Firmware Version

On the main page of the LAVO S2 application, select "Me" at the bottom right to view your personal information. Then, select "About Us" to see the firmware version.

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<	About Us	
	• <b>O</b> • v2.0.4	
Intelligent energy ma of power generation,	anagement platform storage and consu	n for the integration Imption
User Agreement		•
Privacy Policy		Þ
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### 1.3 Register an Account

To access the functionalities of the LAVO S2 App, registration on the platform is required upon opening the application. If you haven't registered yet, please follow the steps below to create an account.



 On the login interface of the LAVO S2 App, click on the "Register Now"

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<	K User Register			
Tenantry		Please Select >		
Country	Australia(+61	) 🔻		
Phone N	lumber	Email		
Account	Enter Account			
Password	Enter password			
Phone Number	Enter Phone Number			
Captcha	Enter captcha Captcha			
Email	Email Optional			
<ul> <li>I have read and accept the 《User Agreement》</li> <li>I have read and accept the 《Privacy Policy》</li> </ul>				
	Registe	r		
	-			

2. Please select your role type (Owner or Installer) and country during the registration process. You can opt to receive the registration code via either phone number or email. Once received, enter your chosen account name and password to finalise the registration.



### 2. Log In and Out

### 2.1 Application Login

Launch the app, input your login details, and then select "Login" to proceed.



#### Note:

- Please connect internet during login.
- In case users forget their password during login, they can contact the administrator to reset it before proceeding with login.

### 3. Create a Site

Installers can promptly establish a site using the "Create Site" function. They have the flexibility to either build sites on behalf of their customers or create sites directly under their own account.

#### 3.1 Create a Site for Me

To identify the device, scan the SN code of the PCS equipment, which is typically located on the side of the device. Scanning the SN code requires users to grant permission to "use the camera."

- 1. Click on the plus symbol located at the top right corner. If it's your first time creating a site, a confirmation dialog for "Camera Permission" will appear. Please click "Allow".
- 2. Choose "Create Site For Me".
- 3. Scan the SN barcode of the PCS device. Once successfully scanned, the recognized SN code will be displayed in the input box, allowing for manual entry if needed.
- 4. After successful scanning, enter the site name, site capacity, select the country/region and time zone, enter the site address, and other mandatory fields. Other options can be filled in according to the customer's requirements. Click "Create Site".
- 5. After successfully creating the site, proceed to configure the network. If already configured, click "Refresh Status". Once Refresh State is successfully completed, you have finished the commissioning process.

If the network is not configured, select "Config Net" and complete the configuration process. Once you complete configuring the network, please wait 30 seconds and click on "Refresh State".



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#### 32 Configuration Process

- To configure the network, first select "Config Net" and choose "Connect" next to SmartDongle. Then, navigate to "Network Settings" where you'll input the WiFi SSID and Password, followed by clicking "Connect To The Network". Ensure that in the Device Info section, WiFi Status shows as connected and COMM Status is online.
- 2. Next, click the "Refresh State" icon within the Create Site Guide. Upon successful completion, a "Success" message will confirm the site is online.



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< Gateway	Inverter
I Device Info	
SN Code:	6055F984E9A8
Firmware Version:	20230922
Wifi Status:	Not Connected
Wifi Name:	Small_dragon
Service Address:	mqtt.iot.solarcse.com
COMM Status:	Offline
Baud Rate:	0
Client Identity:	
Refresh Time:	03-04 09:47:43
Network Settings Device Settings	Refresh More

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<	Network Settings		
	★Wifi SSID	A4-2L	
	*Password	Password	
	Connect To	The Network	



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### 4. Parameter Settings

Default parameters are shown in the picture below:

#### 4.1 Battery Settings

Parameter	Default parameter	Recommendation	Remark
Battery capacity	100AH	200AH	Default parameter is 100AH.
			The system is two packs
			200AH.
Battery DOD	87%	80% ~87%	Depth of discharge setting when
			grid off.
Battery SOC set_Low	13%	13% ~ 20%	

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<	Battery Settings	
	Batt Protocol	CSE-CAN >
	Batt Capcity	100 AH
	Batt Protection High	60 V
	Batt Protection Low	46 V
	Batt Open Voltage	36 V
	Batt Low Voltage	42 V
	Batt DOD	87 %
	Batt Charge Current Limit	100 A
	Batt DisCharge Current Limit	100 A
	Max Batt Chg Power from Grid	5250 W
	Max Batt Dischg Power to Grid	5250 W
	Batt SOC Set_High	100 %
	Batt SOC Set_Low	13 %
	Backup Mode SOC Reserve Value	80 %
	Appiy Setting	

### 4.2 Mode setting

Parameter	Default par	Default parameter		ition	Remark
APP mode	Self -consur	me	Self -consume	<u>)</u>	Switch to other
					modes as required
		13:52 💟 🛛	٩	الله <sup>6</sup> مَنْ الله الله الله الله الله الله الله الل	
		<	Mode Setti	ng 👳	
		O Powe	er Limited	125 %	
		🔿 Арр	Mode	Self-Consume >	
		O VPP	Grid Power	0 w	
		O VPP	Mode	StandBy >	
		Char	ge Time Enable		
		F	First Second	Third	
		1st C	Charge Start Time	00:00 🧿	
		) 1st (	Charge End Time	00:00 🧿	
		1st C	Charge Power Time	0 % 🛅	
		O 2nd	Charge Start Time	00:00 🧿	
		O 2nd	Charge End Time	00:00 🕛	
		2nd	Charge Power Time	0 % 🛅	
		) 3rd (	Charge Start Time	00:00 🖲	
		O 3rd	Apply Setting	00:00 Ō	
		-			

#### 4.3 Network Setting

Parameter	Default parameter	Recommendation	Remark
		parameter	
Inverter safety code	Country -AS4777	Australia-AS4777	Set the country according to
			actual situation
EXP power limit ctrl	Disable	Disable	Switch to disable or enable as
			required
EXP power limit ctrl	0	0	Set the power as required



After selecting the country from the dropdown menu, please select the corresponding safety regulation number from the dropdown menu.



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#### DRM enable settings



#### Note:

DRM is only for Australian and New Zealand installations. This function is off by default. Contact after-sales service to get the DRM terminal and enable this function via the app if needed.



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### 4.4 Meter Setting

Parameter	Default parameter Recommendation		Remark
		parameter	
Meter Enable	Enable	Enable	





### 4.5 Factory Data

Parameter	on	Recommendation	Remark
		parameter	
InvONOFF	on	on	
BackupEnable	on	on	Turn off if the backup terminal not connected to load.



