

•TNK PV5/6 •TNK LV10





COMMISSIONING QUICK GUIDE



Inverter User Manual



Battery User Manual



Vic Emergency Backstop-Application Guide



Site Commissioning Guide via Clenergise App

1.1 Please download the Clenergise App from Google Play Store/App Store.



<u>Clenergise – Apps on Google Play</u> <u>Clenergise on the App Store</u>

1.2 Log in to the account which created by Clenergy ESS Team or created by the admin of your organisation. Accept the T&C's if logging in to the account for the first time.

1.3 Click on the '+' button at the top right corner to create a site.

12:09		all 1	* 1	12:52	at 4	•	13:54	. il 🗢 🚍
	Plants	Devices	+	Cancel	Create a Plant		Cancel C	reate a Plant
0		V					O Distributed in	dustrial
Q Search		Filter Sele	ct Parameters	Cover	a :	2 ⁰⁰⁰ >	() Ground Moun	ted
0 All	0 Connecting	O All devices offline	O Some devi	*Plant Name	Unit 3 Duerdin Street V	Clayton IC 3168	Azimuth(°) 💿	Optional, 0~360°
Plant Name #	Power \$	Daily‡	Capacity \$	*Location	Longitude145°8'3 Latitude-37^54'3	2.2"/ >	Tilt Angle(°) 🕥	Optional, 0–90°
				*Region	Australia/Victoria/Melbo	urne >	On-grid Date (?)	2025-01-15 >
				*Address	Australia Clayton Oakleig Blackburn Rd 740 Black	ih Ward burn Rd	Time Zone	(UTC+11:00) > Canberra,Melbourne,Sydney >
				*Capacity(kV	Np)	7.92	Currency	AUD >
				NMI	1234	567890	Unit Price(AUD/k	Wh) Optional
		<u>)</u>		System Type	• 💿		Total Cost(AUD)	Optional
	No F	Plant		O PV + Grid				
				O PV + Grid	+ Consumption		Contact Person	Homeowner Name
				PV + Grid	+ Consumption + Battery		Contact Number	040000000
				Plant Type 🔇	D		Organization Nat	me Installer Company Name
				Distribute	d residential			
Overview	Monitor	Alort	ŝ	O Distribute	d commercial			Savo
				O Distribute	dindustrial			Save

- \cdot Verify the entered address is correct.
- · Azimuth & Tilt Angle of the panel is recommended, but not a mandatory field.
- · Contact Person = Homeowner Name
- · Contact Number = Homeowner Number
- · Organization Name = Installation Company Name
- \cdot Once the Information is filled in, press the Save button.



1.4 Add the Datalogger

Firstly, connect your smart phone to the Homeowner's Wi-Fi Network. The data logger will use the Wi-Fi information of the Home Network when your smart phone is connected to it. Please make sure the correct Wi-Fi network is connected to your smart phone.



In case it didn't work, follow the below mentioned steps:

- · Enter the Password of the homeowner's Wi-Fi.
- When the 'Net' LED on the data logger is solid Green, the Wi-Fi Network is successfully configured.
- · Press "Done" once it is successfully configured.

Data Logger LED status when in normal operation:

- · Net LED = Solid
- · Com LED = Solid
- \cdot Ready LED = Flashing



Tech Tip:

Click the refresh button if it shows Offline even you successfully configured the data logger with Wi-Fi. The data can take up to couple of minutes to connect successfully to the Server.

12:28		ull 🗢 🗩
	Create a Plant	Done
Your plant the steps commission	has been created! I below to complete s oning.	Please follow system
Datalogger	added	0
SN 352001	5612	
COM Status:		 Offline
Communicat	ion type:	WiFi
	Wi-Fi Configuration	Refresh
If you need to the "Done" by the plant deta	add multiple dataloggers utton in the upper right co ils	, please click rner and add in
Authorize the also watch the	Authorize end users plant to the end user, and e monitoring	the user can
If you need to members, ple right corner a	authorize businesses and pase click the "Done" butt nd add in the plant details	d internal on in the upper

1.5 End User Authorization

12:28	•••	•
Create	a Plant	Done
Your plant has been the steps below to c	n created! Plea complete syst	ase follow tem
commissioning.		
Datalogger added		÷
SN 3520015612		
COM Status:		Offline
Communication type:		WiFi
Wi-Fi Cont	figuration	Refresh
If you need to add multiple	e dataloggers, ple	ase click
 the "Done" button in the u the plant details 	upper right corner	r and add in
۶	Dk	
	•	
Authorize	end users	
also watch the monitoring	end user, and the	user can
If you need to authorize bit members, please click the	usinesses and inte "Done" button in	ornal n the upper
right corner and add in the	e plant detalls	

Important Note: Please make sure to take a screenshot of the "Create End User" page so that the information can be saved and passed on to the home-owner.



1.6 Commissioning the ESS System

OTNK

Once the site has been created, go to the device page to perform the site commissioning. All the commissioning work will be performed through the inverter.

Tap "Device Control" to start the commissioning steps.



Please make sure to perform a 'Read' command of all the parameters first before applying the settings.



The following pages: 'Battery Setting', 'Meter Setting', 'Grid Code' and 'Backup Port' are required to be set. Other pages should remain default/pre-filled parameters unless there are specific requirements.

16:4	10 1	? ■	16:41		al 🗢 🗩	16:42	2	I 🗢 🗩
<	• Inverter	F	<	 Inverter 	T.	<	 Inverter 	Ē
	Batch Command	Q		Batch Command	Q		Batch Command -	Q
≡ Tir	me setting Battery Setting Me	eter Setting	≡ Time se	Battery Setting	Meter Setting	Batto	Sotting Mater Setting	Grid Code G
Manually read a	at : 2025-02-12 16:40:54 UTC +11:00 Rea	d Successfully	Manually set at : 20	025-02-12 16:41:41 UTC +11:00	Set Successfully	Batter	y setting Meter setting	Gild Code Gi
The current	nt command group must be configured as a	whole	The current con	nmand group must be configure	ed as a whole	Manually read at	: 2025-02-12 16:41:54 UTC +11:00	Read Successfully
• Time sett	ting		• Battery Mode	I		The current	command group must be configure	d as a whole
2025-02	-12 16:40:52	v	Lithium Batter	ry .	~	•Meter type		
						Standard E	astron 1Ph	~
			 Max charging 	current				
			105.0		A	•Meter Inst	allation Location	
	Read Successfully		• Max discharg	Set Successfully		Grid		~
			105.0		A	• Meter CT (Connecting Direction	
			• Overdischarg	e SOC		Positive (T	o grid)	•
			10		%			
			* Forcecharge S	SOC				
			4		%			
			• Max power wit	nen force charging				
\square	Read Set		Rea	ıd	Set			
	Step 4			Step 5			Step 6	

Click 'Set' to save the parameters after completing each page.



The grid parameters will be automatically filled in once the Grid code is selected. If the site is configured for Full Backup, please enable the Backup port on the Commissioning steps.

16:42	•11	? ■	16:43	1	
<	Inverter		<	• Inverter	Ē
	Batch Command	Q		Batch Command -	Q
≡ Mete	er Setting Grid Code Gri	d Code Paramete	≡ s V	Vork mode Backup Port	Grid Feed in Powe
Manually read at : 2	2025-02-12 16:42:13 UTC +11:00 R	ead Successfully	Manually read at :	2025-02-12 16:43:04 UTC +11:00	Read Successfully
The current co	ommand group must be configured as	a whole	The current	command group must be configured	as a whole
* Grid Code			* Backup Po	rt Enabling Setting	
AU (AS/NZS	; 4777-A)		Enable		
			• Backup Por 230 • Voltage Dro	rt Reference Voltage Setting	V
			disable		



The Export Limit should be set up according to the DNSP requirements in the region.

	10:40	•	···· 🔶
Batch Command ~ 3ackup Port Grid Feed in Power Limit CERT nually read at : 2025-02-12 16:43:43 UTC +11:00 Read Success The current command group must be configured as a whole The current command group must be configured as a whole Feed in Power Limit Switch OFF Feed in Power limit value 0 Feed in Current limit value 0 Failsafe Switch OFF	<	 Inverter 	I
E 3ackup Port Grid Feed in Power Limit CERT unually read at : 2025-02-12 16:43:43 UTC +11:00 Read Success The current command group must be configured as a whole • Feed in Power Limit Switch OFF • Feed in Power limit value 0 W • Feed in Current limit value 0 A • Failsafe Switch OFF ✓		Batch Command -	
ually read at : 2025-02-12 16:43:43 UTC +11:00 Read Success The current command group must be configured as a whole • Feed in Power Limit Switch OFF ✓ • Feed in Power limit value ✓ 0 ✓ • Feed in Current limit value ✓	Backup Port	Grid Feed in Power Lim	it CERTT
The current command group must be configured as a whole Feed in Power Limit Switch OFF Feed in Power limit value O Feed in Current limit value O Feilsafe Switch OFF V	nually read at : 2025-	02-12 16:43:43 UTC +11:00	Read Successf
 Feed in Power Limit Switch OFF Feed in Power limit value 0 W Feed in Current limit value 0 A Failsafe Switch OFF 	The current comma	nd group must be configured	as a whole
OFF ✓ • Feed in Power limit value 0 0 W • Feed in Current limit value 0 0 A • Failsafe Switch OFF ✓	• Feed in Power Lin	nit Switch	
Feed in Power limit value	OFF		· ·
Feed in Power limit value Feed in Current limit value			
0 W • Feed in Current limit value 0 A • Failsafe Switch OFF	* Feed in Power lim	it value	
Feed in Current limit value	0		W
OFF V	Failsafe Switch	mit value	A
	OFF		V

Unless specifically directed by the DNSP, do not alter any settings in the rest of the commissioning steps.

Congratulations! Now the site has been fully commissioned.



A Clenergy Technologies Company

China: 999 -1009 Min'an Rd, Xiang'an District 361101, Xiamen, Fujian, China Australia: 3/10 Duerdin Street, Clayton VIC 3168

Technical Support Contact

Phone: 1800 255 269 Email: support@cenergyess.com

Global Contact Numbers

 CN: +86
 592
 311
 0088
 |
 AU: +61
 3
 9239
 8088
 |
 JP: +81
 +45
 228
 8226

 DE: +49
 (0)
 40
 3562
 389
 00
 |
 TH: +66
 (0)
 2
 277
 5201
 |
 PH: +63
 977
 840
 7240

Global Partners

UK: +44 (0) 1604 877573

MADE IN CHINA | DESIGNED IN AUSTRALIA