Installation manual CheckWatt CM10 and Kehua Tech iStoragE3 växelriktare iStoragE3 5/6/8/10/12K Series Updated 2024-12-09

Installation of CheckWatt CM10 and the Kehua Tech iStoragE3 inverter is performed according to their manuals. This manual describes how communication between the CheckWatt CM10 and Kehua Tech iStoragE3 inverter is established.

Communication between the CM10 and the Kehua Tech iStoragE3 hybrid inverter is carried using Modbus RTU via twisted pair copper cable RS485.

Max inverters per CM10:1





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Installation: Internet connection and communication

Connect the WAN (Ethernet cable) between the property's router* and **LAN 1 (eth0)** on the CM10 for internet connection to the CM10. * or other network equipment such as PLC-modem, wifi-repeater or network switch.

NOTE! LAN 1 and LAN 2 must not be mixed up as they have different functions.



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Installation: Internet connection and communication



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Settings

Gener	WeMo Year Total	2024-12-01 - 2024-12-07 0.00 kwh Thursday Saturday
Unit: kWh 1 0.8 0.6 0.4 0.2 0	Tuesday	0.00 kwh Thursday Saturday
0.8 0.6 0.4 0.2 0	Tuesday	0.00 kWh Thursday Saturday
0.6 0.4 0.2 0	Tuesday	0.00 kwh Thursday Saturday
0.4 0.2 0 Sunday	Tuesday T	0.00 kWh Thursday Saturday
0.2 Sunday	Tuesday	0.00 kWh Thursday Saturday
Sunday	Tuesday	Thursday Saturday
	Go	
	export to grid (kWh) 60.1	export to grid (KWh) 60.1

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Poi	int name Please select		Search					
<	Basic setting Syst	tem settings	Grid setting	Schedule	setting	Battery setting	Weekday energy scheduling	
	Power adjust rate (%	SSn/s)	Param value:	0.16	0-655.35			
	ON/OFF		Param value:	ON	Select	~	Set delivery	
	External control mode		Param value:	Enable	Select	•	Set delivery	
	Auto-start when power of	nc	Param value:	Disable	Select	×]	Set delivery	
	Active islanding		Param value:	Enable	Select	~	Set delivery	
						Ma	nual refresh Authority password i	ssue

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	Agent Mgr.	User Mgr.	Plant Mgr.	Logg
Search				
gs Grid setting	Schedule setting	Battery setting	Weekday energy sche	eduling
Param value: Dis	sable Select	~	Set delive	ry
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Settings

On the tab Weekday external con First press add Start time should be set to 00:00 a Press Set delivery	trol hou and End t	rs time to 23:59			
Note: The same setting must also b	be done t	or Weekend e	external contr	ol nours	
		Ш.	M X	品	Ē
		Agent Mgr.	User Mgr.	Plant Mgr.	Logger Mg
Point name Please select	Search				
< Weekday peak shaving and valley filling period	Weekday	external control hours	Weekend energ	y scheduling	Weekend peak sha>
External control					
		\rm Add			
1 Start time 00:00 $<\!$	End time	23:59	Ξ		
					Set delivery
			Ма	nual refresh Au	thority password issue

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Updating the inverter

A firmware update of the inverter is required for the control to work.

Send the following email to Kehua Tech.

To: <u>service@kehua.com</u> Subject: Kehua Tech Inverter Update for VPP Services with CheckWatt [SERIAL NUMBER]

Please update the following system for VPP Services with CheckWatt.

Inverter model: iStoragE3 [X]K S/N: XXXXXXXXXXX

Battery model: iStoragE3 B5-S2 SN: XXXXXXXXXXXX

Regards [Name]



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