

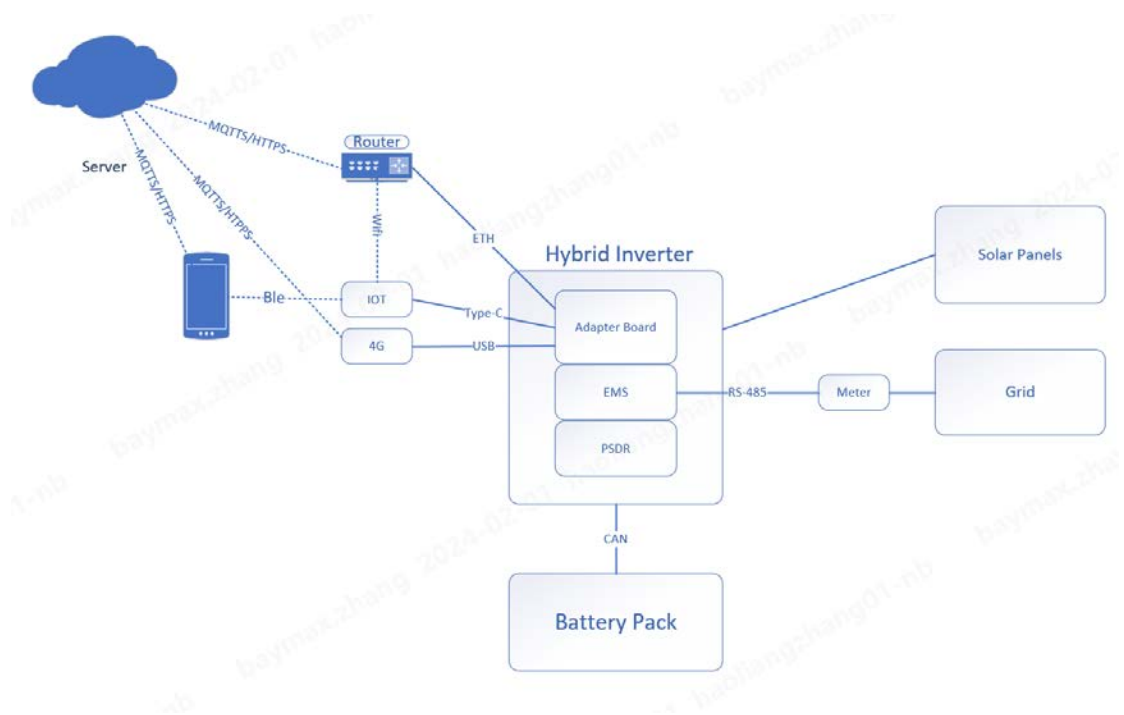
Manufacturer's declaration in accordance with the requirements of G98 Issue 1 – Amendment 7 (3 October 2022) Clause 9.7.1, 9.7.2, and G99 Amendment 9 (3 October 2022) Clause 9.1.7, 9.1.8 regarding "Cyber Security"

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Wei Zhang, resident in China, as Product Manager of the EcoFlow, based in Shenzhen China, on behalf of the same Company declares the following:

The product includes a system of internal and external logic communications as summarized in the following scheme:



See below components involved and their main functions in the following table.

1. Internal modules communication

There are two modules inside the inverse, namely PSDR module converts the power between DC and AC, EMS module for power management, PSDR module and EMS module connected through CAN interface.

2. Inverter and external module communication

- Inverter communicates with external battery pack through CAN interface
- Inverter communicates with IOT module in with type-C interface
- IOT module communicates with 4G module through USB interface

- IOT module communicates with mobile phone through Bluetooth
- IOT module communicates with server through WIFI / 4G / ETH
- Inverter communicates with meter through RS-485 interface

Hybrid Inverter	Model: EF HD-P1-3K-S1, EF HD-P1-3.68K-S1, EF HD-P1-4.6K-S1, EF HD-P1-5K-S1, EF HD-P1-6K-S1
IOT	The module that provides the communication ability. It can communicate with server through 4G, EHT, WIFI.
4G	The module that provides the 4G communication ability for IOT module.
PSDR	The module that provides the power conversion ability. It can convert power between DC and AC.
EMS	The module that manages the energy. It decides when the device should charge or discharge.
Battery Pack	The battery management module monitors and manages the battery cells.

EN 303 645 v2.1.1 (2020-06) Table B.1: Implementation of provisions for consumer IOT security			
Clause number and title			
Reference	Status	Support	Detail
5.1 No universal default passwords			
Provision 5.1-1	MC	N/A	No default password is used.
Provision 5.1-2	MC	N/A	
Provision 5.1-3	MC	N/A	
Provision 5.1-4	MC	N/A	
Provision 5.1-5	MC	N/A	
5.2 Implement a means to manage reports of vulnerabilities			
Provision 5.2-1	M	Y	
Provision 5.2-2	R	Y	
Provision 5.2-3	R	Y	
5.3 Keep software updated			
Provision 5.3-1	R	Y	
Provision 5.3-2	MC	Y	
Provision 5.3-3	MC	Y	
Provision 5.3-4	RC	N/A	Auto-Update is not supported.
Provision 5.3-5	RC	Y	
Provision 5.3-6	RC	Y	
Provision 5.3-7	MC	Y	
Provision 5.3-8	MC	Y	
Provision 5.3-9	RC	Y	

Provision 5.3-10	M	Y	
Provision 5.3-11	RC	Y	
Provision 5.3-12	RC	Y	
Provision 5.3-13	M	Y	
Provision 5.3-14	RC	N/A	The device is not constrained.
Provision 5.3-15	RC	N/A	The device is not constrained.
Provision 5.3-16	M	Y	
5.4 Securely store sensitive security parameters			
Provision 5.4-1	M	Y	
Provision 5.4-2	MC	Y	
Provision 5.4-3	M	Y	
Provision 5.4-4	M	Y	
5.5 Communicate securely			
Provision 5.5-1	M	Y	
Provision 5.5-2	R	Y	
Provision 5.5-3	R	Y	
Provision 5.5-4	R	Y	
Provision 5.5-5	M	Y	
Provision 5.5-6	R	Y	
Provision 5.5-7	M	Y	
Provision 5.5-8	M	Y	
5.6 Minimize exposed attack surfaces			
Provision 5.6-1	M	Y	
Provision 5.6-2	M	Y	
Provision 5.6-3	R	Y	
Provision 5.6-4	MC	Y	
Provision 5.6-5	R	Y	
Provision 5.6-6	R	Y	
Provision 5.6-7	R	Y	
Provision 5.6-8	R	Y	
Provision 5.6-9	R	Y	
5.7 Ensure software integrity			
Provision 5.7-1	R	N/A	The structure of the chip doesn't support it.
Provision 5.7-2	R	N/A	The device doesn't support it.
5.8 Ensure that personal data is secure			
Provision 5.8-1	R	Y	
Provision 5.8-2	M	Y	
Provision 5.8-3	M	Y	
5.9 Make systems resilient to outages			
Provision 5.9-1	R	Y	

Provision 5.9-2	R	Y	
Provision 5.9-3	R	Y	
5.10 Examine system telemetry data			
Provision 5.10-1	RC	Y	
5.11 Make it easy for users to delete user data			
Provision 5.11-1	M	Y	
Provision 5.11-2	R	Y	
Provision 5.11-3	R	Y	
Provision 5.11-4	R	Y	
5.12 Make installation and maintenance of devices easy			
Provision 5.12-1	R	Y	
Provision 5.12-2	R	Y	
Provision 5.12-3	R	Y	
5.13 Validate input data			
Provision 5.13-1	M	Y	
6 Data protection provisions for consumer IoT			
Provision 6.1	M	Y	
Provision 6.2	MC	Y	
Provision 6.3	M	Y	
Provision 6.4	RC	Y	
Provision 6.5	MC	Y	
Conditions			
1) passwords are used; 2) pre-installed passwords are used; 3) software components are not updateable; 4) the device is constrained; 5) the device is not constrained; 6) telemetry data being collected; 7) personal data is processed on the basis of consumers' consent; 8) the device allowing user authentication; 9) the device supports automatic updates and/or update notifications; 10) a hard-coded unique per device identity is used for security purposes; 11) updates are delivered over a network interface; 12) an update mechanism is implemented; 13) a debug interface is physically accessible.			
M	Mandatory provision		
R	Recommended provision		
MC	Mandatory and conditional provision		
RC	Recommended and conditional provision		

Support' Column	
Y	Implemented
N	Not implemented
N/A	Not applicable
Date:	2024/02/02
Name:	Wei Zhang
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