

ZCS AZZURRO

MONITORING SYSTEMS

The ZCS Azzurro **monitoring** systems are the ideal solution for the complete control and display of all the important parameters of any PV system.

The wide range of options makes it possible to meet any requirement: from basic solutions to more complete and complex monitoring solutions.

The most complete monitoring solutions allow connecting external devices and a separate power supply unit for monitoring not only the inverters, but also the consumption of the entire system at all hours of the day and night.

» SIMPLE AND RELIABLE

- › Communication protocols with automatic inverters
- › Possibility to monitor up to 31 inverters

» EASY INSTALLATION

- › Plug-and-play installation
- › Easy to access and easy to configure

TECHNICAL DATA	ZSM-WIFI-EXT / ZSM-WIFI-USB	ZSM-ETH-EXT / ZSM-ETH-USB	ZSM-4G-EXT / ZSM-4G-USB	ZSM-DATALOG-04	ZSM-DATALOG-10	ZSM-RMS-001/ M200	ZSM-RMS-001/ M1000
General data							
Installation	On the mechanics of the inverter (dedicated slot)			Free			
Communication with inverter	RS232/USB			RS485			
Number of inverters that can be connected	1			Up to 4	Up to 10	Up to 31 (for installations with total power <200kW)	Up to 31 (for installations with total power >200kW)
Power Supply	Internal by inverter			External by means of dedicated power supply unit (included)			
Optional buffer battery	No			Yes			
Configuration	Access to dedicated WebServer page	No configuration required		Access to dedicated WebServer page		To request from ZCS	
Connection with APP/Portal	Wi-Fi	Ethernet	4G***	Wi-Fi; Ethernet		Access to dedicated WebServer page	
Other communication ports	No			2 x USB 2.0, HDMI, I/O			
Additional features	No			Option to connect to external meters and sensors for monitoring consumption and reporting to recognised customs agencies			
List of compatible inverters	List 1* for models ZSM-xxx-EXT; List 2** for models ZSM-xxx-USB			All Azzurro storage and hybrid inverters			

*List 1: 1100TL-V3/1600TL-V3/2000TL-V3/2700TL-V3/3000TL-V3/3000TLM-V3/3680TLM-V3/4000TLM-V3/4600TLM-V3/5000TLM-V3/6000TLM-V3, 50000TL-V1/60000TL-V1/70000TL, 20000TL-V2/25000TL-V2/30000TL-V2/33000TL-V2, 1PH HYD 3000 ZSS/1PH HYD 4000 ZSS/1PH HYD 5000 ZSS/1PH HYD 6000 ZSS, ME3000SP-V2

**List 2: 3.3KTL-V3/4.4KTL-V3/5.5KTL-V3/6.6KTL-V3/8.8KTL-V3/11KTL-V3/12KTL-V3, 15000TL-V3/17000TL-V3/20000TL-V3/22000TL-V3/24000TL-V3, 80KTL-LV/100KTL-LV/110KTL-LV, 100KTL-HV/125KTL-HV/136KTL-HV, 3PH HYD 5000 ZSS/3PH HYD 6000 ZSS/3PH HYD 8000 ZSS/3PH HYD 10000 ZSS/3PH HYD 15000 ZSS/3PH HYD 20000 ZSS, 1PH HYD 3000 ZSS HP/1PH HYD 4000 ZSS HP/1PH HYD 5000 ZSS HP/1PH HYD 6000 ZSS HP

*** The boards include an integrated virtual SIM card with data traffic fee included for 10 years



Wi-Fi module



Ethernet Module



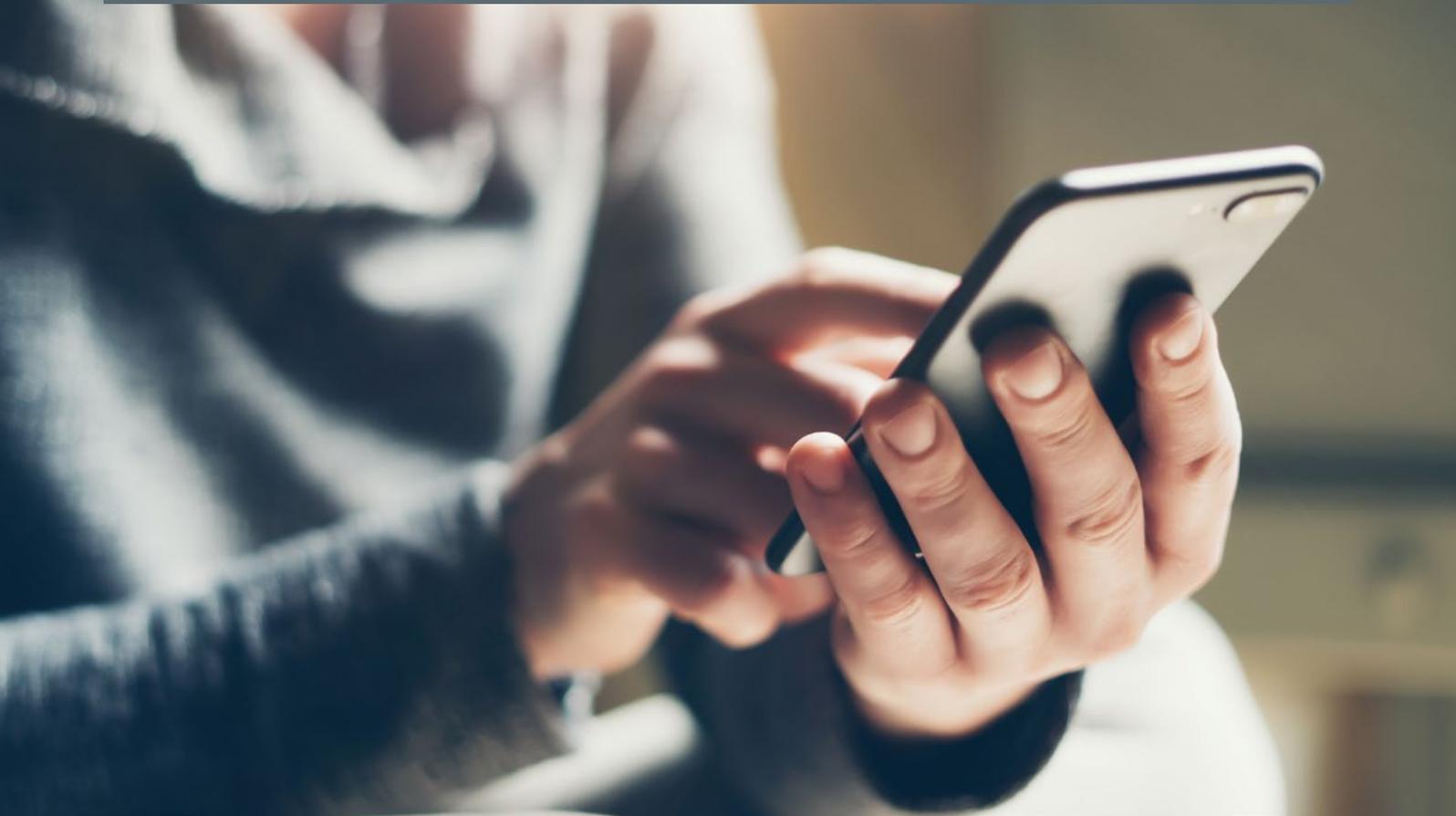
Easy Datalogger



Professional Datalogger

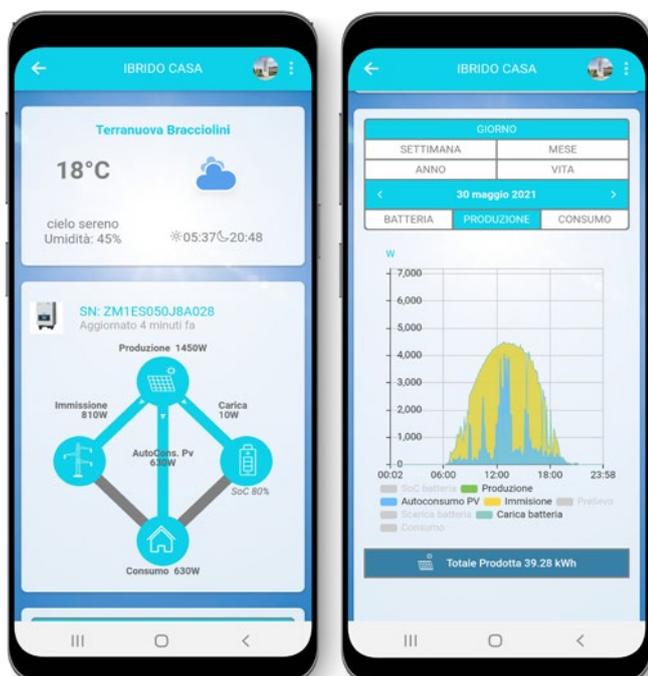
ZCS AZZURRO

MONITORING APP AND PORTAL



The entire range of ZCS Azzurro inverters can be easily monitored using the ZCS APP and portal. The ZCS Azzurro APP can be downloaded free of charge from Google Play and the App Store and is easy to configure.

Both systems allow creating graphs indicating production, consumption and other essential information. The data is automatically updated every 5 minutes.



» EASY AND USER-FRIENDLY

- » APP can be downloaded from Google Play and Apple Store*
- » Customisable graphs
- » Monitoring of the entire inverter range*
- » User-friendly interface

