TSS Ultimate Remote Monitor

TSS Ultimate Remote Monitor is a cloud-based platform built on the latest techniques to proactively monitor, analyse and optimize the performance of your solar and hybrid energy system by ensuring high security to provide a safe, reliable and trustworthy solution. Data available from your TSS system is transferred via Ethernet or GSM to a cloud-based platform using a router with a WAN connection. Real-time data is stored inside the router and, when a connection is available, data is transferred to a secured web portal. This data can be visualized on the cloud-based platform and instant notifications and alarms can be received on a mobile phone and via e-mail.

Ability to stream real time data upon opening live monitor. Provision to store and forward data in case of loss of connectivity.

Receive instant notifications and alarms on a mobile phone and via e-mail when certain thresholds are triggered.

Possibility to view historical data up to 7 years.

Preferred interval can be chosen. High resolution of up to 20 samples per second.

TSS systems are monitored through Modbus TCP/IP, with provision for other protocols, VPN connection, HTTP website porting and VNC access.

Customized report on system performance for predictive and preventive maintenance.

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Electrical characteristics	
Supply voltage	9.6 – 28.8 Vdc
Power dissipation	5 W idle, 10 W max.

General specifications	
Operating temperature	-20°C to 65°C
Storage temperature	-20°C to 65°C
Ethernet ports	4 LAN, 1 WAN
USB port	USB 2.0
Processor	MIPS 800 MHz
Mounting	DIN rail
Certifications	CE, cULus listing, FCC verification, ANATEL, NBTC
Standards	IEC 60950-1:2006 + A1:2009 + A2:2013 UL 60950-1 CSA C22.2 No. 60950-1-07

Additional data	
Protocols	FDD-LTE TDD-LTE WCDMA
Protocols (optional)	GSM/GPRS/EDGE – 850, 900, 1800, 1900 MHz
GSM antenna (optional)	External on top of enclosure or solar module support
SIM size (GSM version)	2FF (standard SIM card)
FCC ID (GSM version)	XMR201903EG25G
Router Ethernet article no.	IX2400
Router Ethernet + 4G article no.	IX2405

Dimensions and weight	
Dimensions L x W x H	116 x 28 x 95 mm (excl. DIN rail clip)
Weight	310 gram