Monitoring System

Wi-Fi Plug Pro / GRPS Plug Pro / 4G Plug Pro

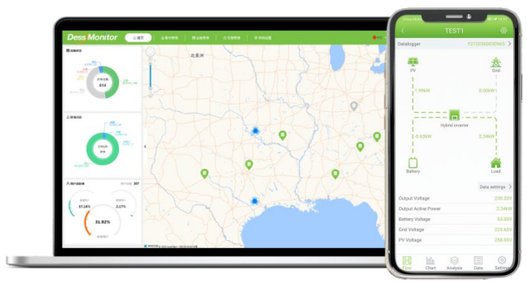
Pluggable data logger can support Wi-Fi, GPRS, 4G, NB-IOT and other communication modes, through DB9, aviation head, RJ-45 and other terminal connection modes. Perfect compatibility with all brands of inverter, energy storage machine and other equipment. Support remote control, debugging, upgrading and other functions, and provide users with remote, low-cost, visual, remote operation monitoring scheme.



Energy storage industry application

Energy storage monitoring platform is a monitoring and management system for energy storage machine. The data of energy storage equipment is collected in all directions, analyzed with big data and processed with cloud platform technology. It can provide guidance for peak shaving, peak load regulation, frequency modulation and voltage regulation, so as to effectively smooth the power output and reduce the impact on the grid output as planned.

Real time monitoring, fault diagnosis, mobile payment, intelligent-calculation, alarm reporting, peak cutting and valley filling.



DessMonitor

iOS

Android

Technical Data

Product Model	Wi-Fi Plug Pro	GPRS Plug Pro	4G Plug Pro
Product picture			
ESSENTIAL PARAMETERS			
Dimensions	51*45*27mm	51*45*27mm	51*45*27mm
Weight	60g	60g	60g
Protection class	IP65	IP65	IP65
Installation mode	Fixed to the equipment via screws	Fixed to the equipment via screws	Fixed to the equipment via screws
Rated voltage	DC 5~12V	DC 5~12V	DC 5~12V
Maximum current	800mA(5V)	2A(5V)	2A(5V)
External port	Db9/Aviation joint/RJ-45	Db9/Aviation joint/RJ-45	Db9/Aviation joint/RJ-45
Indicator lights	4	4	4
Operation temperature	-30℃~+85℃	-30℃~+85℃	-30℃~+85℃
Storage temperature	-40℃~+90℃	-40℃~+90℃	-40℃~+90℃
COMMUNICATION PARAMETERS			
Local communication	RS-232/RS-485/TTL	RS-485/RS-232/TLL	RS-485/RS-232/TTL
Public network access	Wi-Fi	GPRS	GPRS/TD-SCDMA/WCDMA/LTE
Baud rate	9600bps（default）	9600bps（default）	9600bps（default）
Working frequency	2.412GHz~2.484GHz	EGSM900/GSM880/ DCS1800/PCS1900	FDD LTE:B1/B3/B8 TDD LTE:B38/B39/B40/B41 TDSCDMA:B34/B39 WCDMA:B1/B8 GSM:900/1800
Communication standard	IEEE802.11b/g/n	GPRS multi-slot class 10 IS-95A/B IS-2000	LTE-Advanced/WirelessMAN-Advanced(802.16m)
Maximum transmission rate	72Mbps	85.6Kbps	150Mbps
Communication distance	100m (open environment)	Carrier network	Carrier network
Antenna gain	2.7dBi	2.5dBi	2.5dBi
Antenna	External antenna(extend antenna optional)	External antenna(extend antenna optional)	External antenna(extend antenna optional)
SIM card	--	Nano card or chip card	Nano card or chip card
OTHER PARAMETERS			
Watchdog	Software watchdog +hardware watchdog	Software watchdog +hardware watchdog	Software watchdog +hardware watchdog
Device layer communication protocol	Modbus-RTU	Modbus-RTU	Modbus-RTU
Networking layer communication protocol	Modbus-TCP	Modbus-TCP	Modbus-TCP
Parameters setting mode	Massage/remote server	Massage/remote server	Massage/remote server
Firmware update mode	Remote server	Remote server	Remote server
Number of connected devices	1	1	1