Monitoring for a PV system is a must, whether you are a homeowner, installer or utility. It is the most efficient and inexpensive way to troubleshoot and maintain a PV system. It only makes sense that our monitoring system should be cloud-based for ease of access from anywhere in the world, through a web portal, an Android or iOS mobile app.

With Darfon's monitoring system, the inverter's past and current performance is tracked, so it can be used to pinpoint performance issues and provide guidance for maintenance, ensuring the system is at its optimal performance over the lifetime of the installation.
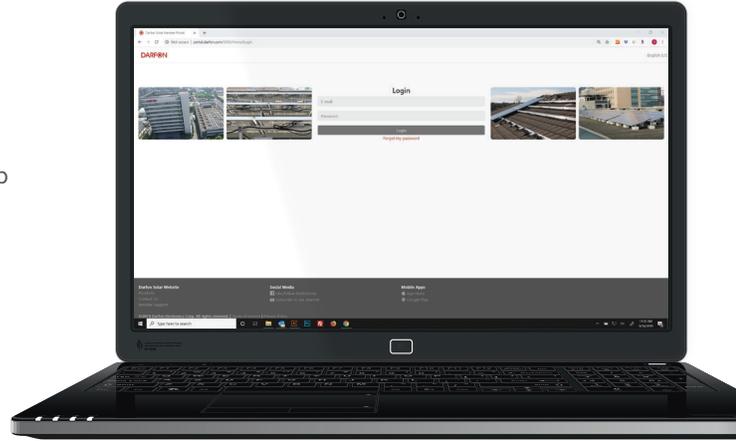

Graph View: An overview of energy production for the selected day, week, month, year or lifetime, and daily for the essential load.
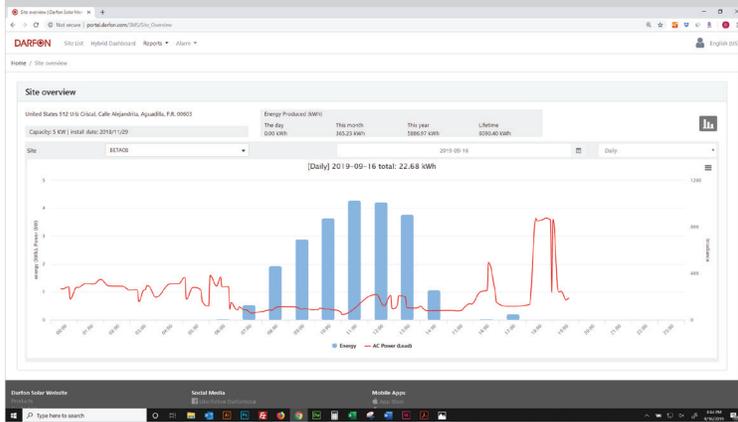

Hybrid Dashboard: A dynamic snapshot of the hybrid system that displays the direction of power flow between the inverter, PV, load, battery and grid.
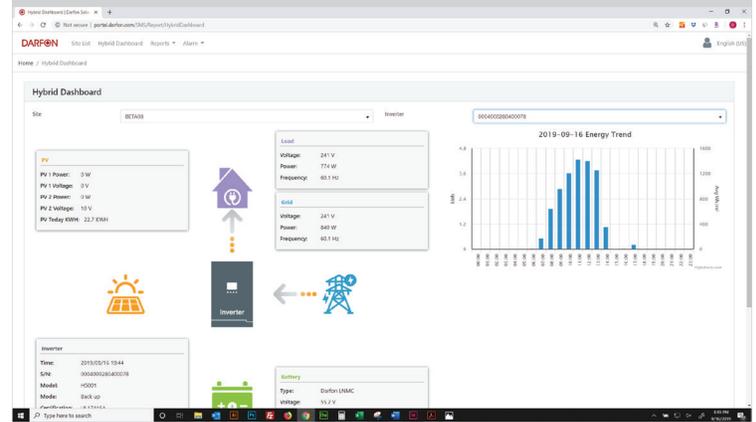

Detailed Battery Information: Monitor everything about your battery, even your charge cycle count!
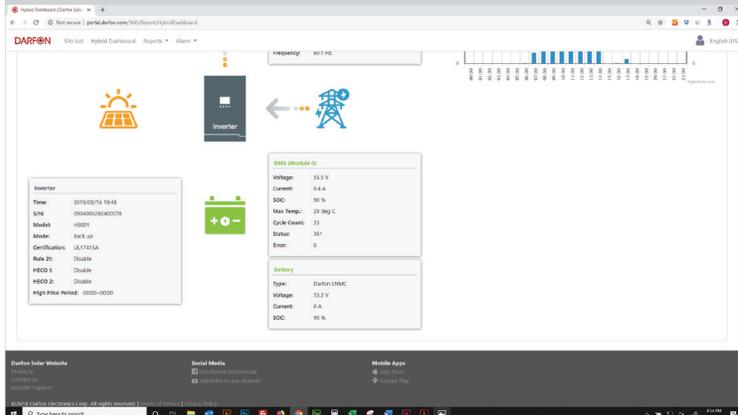
Manage Configurations: Read, review and update the hybrid inverter's configuration remotely from the convenience of your laptop.

To access and sign into the monitoring portal, go to portal.darfon.com
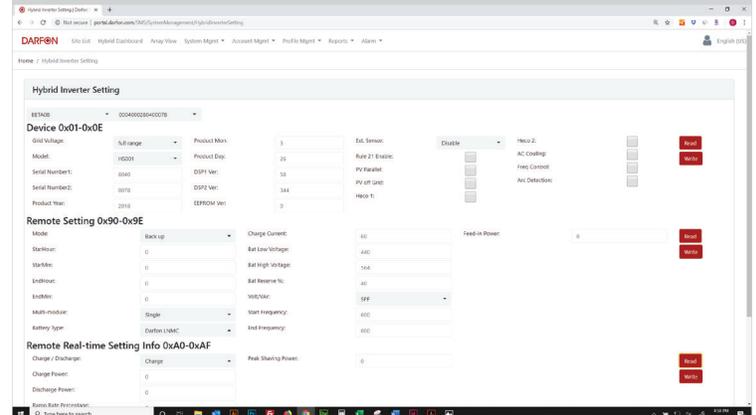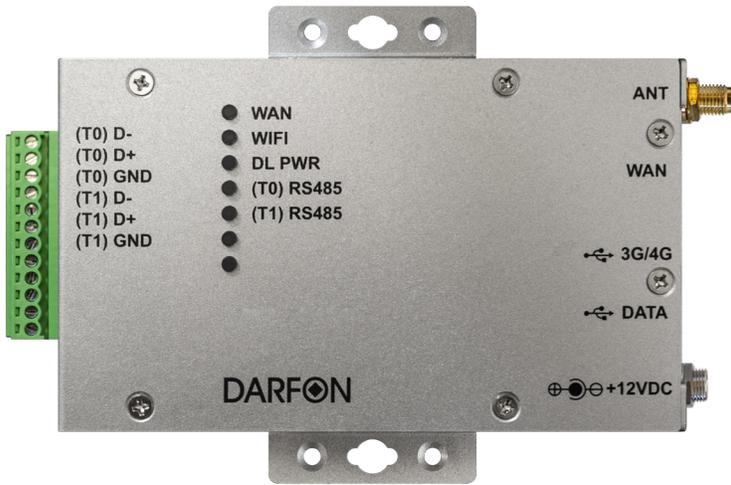
The DL300 Data Logger is the hardware connecting Darfon inverters with Darfon's cloud-based monitoring portal. This data logger has two-way communication, so inverters can be managed and updated remotely. The DL300 has two RS485 ports; one for communication with the inverter and the other for external sensor devices, such as, irradiance meters or weather stations.

The DL300 has multiple connection options for data transmission to Darfon's Monitoring Portal. It can be hardwired to the home router via an RJ45 connection, or it can be linked to your Wi-Fi through the antenna. Alternatively it can be connected to your cellular plan with any 3G/4G dongle.

SPECIFICATIONS

Device Connection	
Inverter Communication	RS485
Number of Inverters	Up to 3 Hybrid Inverters
Sensor Communication	RS485
Data Connection	
Ethernet	10/100 Base-T, RJ45
WiFi	2.4GHz 802.11 b/g/n (Detachable Antenna)
Cellular	USB 2.0 Type A for 3G/4G Dongle
Storage & Log	USB 2.0 Type A (8G Flash Drive Included)
Mechanical Data	
Dimensions (WxHxL)	99x28x147mm (3.9x1.1x5.8in)
Weight	0.17kg (0.37 lb)
Installation Method	Wall-mount
Protection Rating	IP20 (Indoor Use Only)
Operating Temperature	-20 to 60°C (-4 to 140°F), 0 to 95% RH non-condensing
Storage Temperature	-20 to 80°C (-4 to 176°F), 0 to 95% RH non-condensing
POWER	
Power Supply Input	12Vdc, 2Adc
Power Consumption	9 to 36Vdc, 5W Typical
Policies	
Compliances	FCC Part 15 Class B, EN300328 V2.1.1, EN61000-3-x, IEC 61000-4-x
Warranty	1 year

▪ Two-way communication for remotely manage hybrid inverters and firmware updates

▪ Local data storage to prevent data loss

▪ Connects to the portal via LAN, WiFi or a cellular plan

▪ Low power consumption

75mm (2.9 in)
28mm (1.1 in)
125mm (4.9 in)

Cloud-Based Monitoring Portal
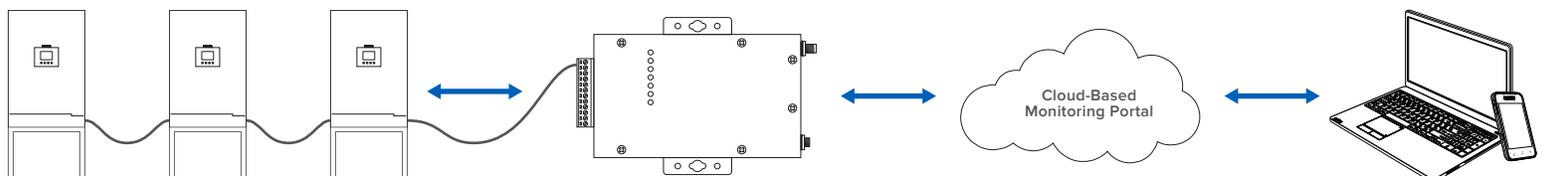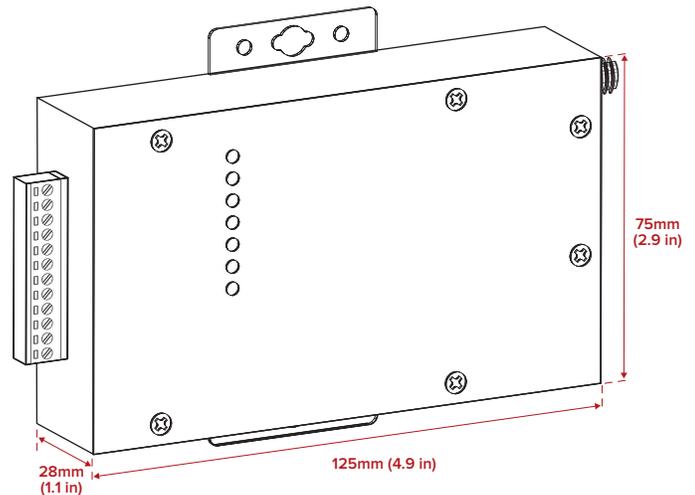
For more product information, visit us at www.darfonsolar.com