MIG300 MICRO INVERTER



Darfon believes in creating solar power solutions that are efficient, dependable, and user friendly. With that in mind, the MIG300 micro inverter was designed to be easy to handle and install. It has a maximum input power rating of 300W, making it compatible with a wide range of solar modules.



SPECIFICATIONS

INPUT DATA (DC)	
Recommended STC Module Input Power Rating	Up to 300W
Nominal Input Power	300W
Maximum Input DC Voltage	60V
Peak Power Tracking Voltage	24 - 40V
Minimum Start Voltage	24V
Maximum DC Short Circuit Current	12A
Maximum Input Current	10A
OUTPUT DATA (AC)	
Continuous Output Power	250W
Peak Output Power	260W
Nominal Output Current	1.04A
Nominal Voltage / Range	240 / 211 - 264V
Nominal Frequency / Range	60 / 59.3 - 60.5 Hz *
Power Factor	>0.95
Maximum Units per Branch Circuit (Single Phase)	20A Branch Circuit: 16 Units 30A Branch Circuit: 24 Units
EFFICIENCY	
Peak Inverter Efficiency	95.8%
CEC Weighted Efficiency	95%
Nominal MPP Tracking	>99%
Night Time Power Consumption	< 89mW
MECHANICAL DATA	
Ambient Temperature Range	-40°C to 65°C
Operating Temperature Range (Internal)	-40°C to 85°C
Dimensions (WxHxD)	8.7 x 5.1 x 1.5 in (220 x 130 x 37mm)
Weight	5.5 lbs (2.5 kg)
Cooling	Natural Convention - No Fans
Enclosure Environmental Rating	Outdoor - NEMA 6
FEATURES	
Communication	Powerline
Compliance	EN 61000-6-2, EN 61000-6-3,

IMPROVED SAFETY

· Eliminates the need for high voltage DC wiring

FLEXIBLE PV ARRAY DESIGN

- Integrated grounding eliminates the need for additional GEC
- Up to 24 units per 30A branch circuit
- Scalable for future expansion

MAXIMIZED ENERGY PRODUCTION

- Debris/shading does not impact energy production for the entire PV array
- Real-time cloud-based monitoring through web browsers and mobile apps

RELIABLE

- Fully potted design for better heat dissipation
- 25-year** limited warranty

FOR MORE INFORMATION, VISIT/CONTACT US AT web: www.darfonsolar.com email: pvsales@darfon.com

* Extended frequency range available to serve local markets. ** Warrany varies by region. 25-year warranty period applies to product purchased and installed in the US.

FCC Part15 Class B, UL 1741, IEEE 1547



CLOUD-BASED MONITORING SYSTEM



DATA LOGGER



HOME ROUTER





CLOUD SERVER

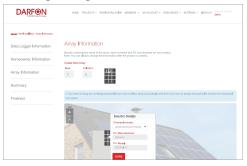
MONITORING



With the Darfon monitoring system, each panel/micro inverter can be examined so potential issues can be located and resolved. The system auto-detects the installed micro inverter, making set-up simple and easy.

With Darfon's cloud-based monitoring system, real-time information is available on mobile devices via apps for Android® or iOS®.

Easy Setup: Drag & drop PV panels to create arrays, then assign auto-generated inverter serial number.



Graph View (Homeowner): An overview of the PV system's energy production/performance.



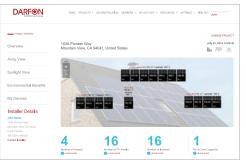
Project List: Manage and monitor the performance of your PV projects.

Projects						•	
Project list of currently	installed system(s) in your account,						
Installed Date	Location	Installed By	Status	Energy Produced			
Jane 18, 2014	148 Pine Street Pevely, MO 65070 United States	John Smith	Activa	3,170 MMH	۹.	¢ 8	
Jane 03, 2014	103A Pioneer Way Mountain Wave, CA 94041 United States	John Smith	Active	9,250 kWH	۹.	\$ 1	
May 12, 2014	2000 2nd Street Davis, CA 93510 United States	John Smith	Active	13,385 kWH	Q,	\$ 8	
April 15, 2014	1207 Galwood Way Milpitas, CA 95035 United States	John Smith	Active	17,983 kWH	۹.	\$ 8	
April 12, 2014	2609 Main Street Davis, CA 95618 United States	John Smith	Active	19,462 kWH	Q,	¢ 11	
	Preject last of convertig Instituted Date June 18, 2014 June 05, 2014 May 19, 2014 Acrel 15, 2014	Higher of a close of a policy of a conset, Instanta Dave Location Jave 11, 2014 Charles Conset and 10, 2014 Charles Conset Lance 10, 2014 Charles Conse	Header of samely water of program and the same of the	National of subset statisticity in an annual international internatinternatinternational international international international in	National of advection out analysis Initial Control Advection Ad	Instance Journal of the second s	

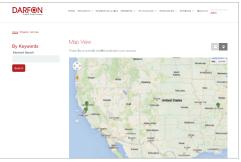
Installer/Manager List: Manage employee access permissions & monitor your installers PV systems.

tione (lotalies / Manager							
Installers/Managers	Installers/Managers Nou can manage the information of company members of from the fait taking						
Homeowners	8.No.	Name	Rote	Status	Date Added	Nextradie	
		John Smith	Managar	Activa	January 29, 2014	Ed. NewProtein	
	2	Nick Carter	Installer	Active	January 29, 2014	Ed. NewProjeck	
		Mitch Taal	Manager	Active	February 21, 2014	Edit New Projects	
	4	James Henney	Installer	Active	May 20, 2014	Edit New Projects	
		Daniel Moore	Installer	Active	June 12, 2014	Edit View Projects	
	6 Install	vs found.					

Array View: Easily manage all your Darfon micro inverter installations.



Map View: Displays the locations of the company's installed PV systems.



For more information, visit/contact us at www.darfonsolar.com or pvsales@darfon.com

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