

MIG240 On-Grid Micro Inverter

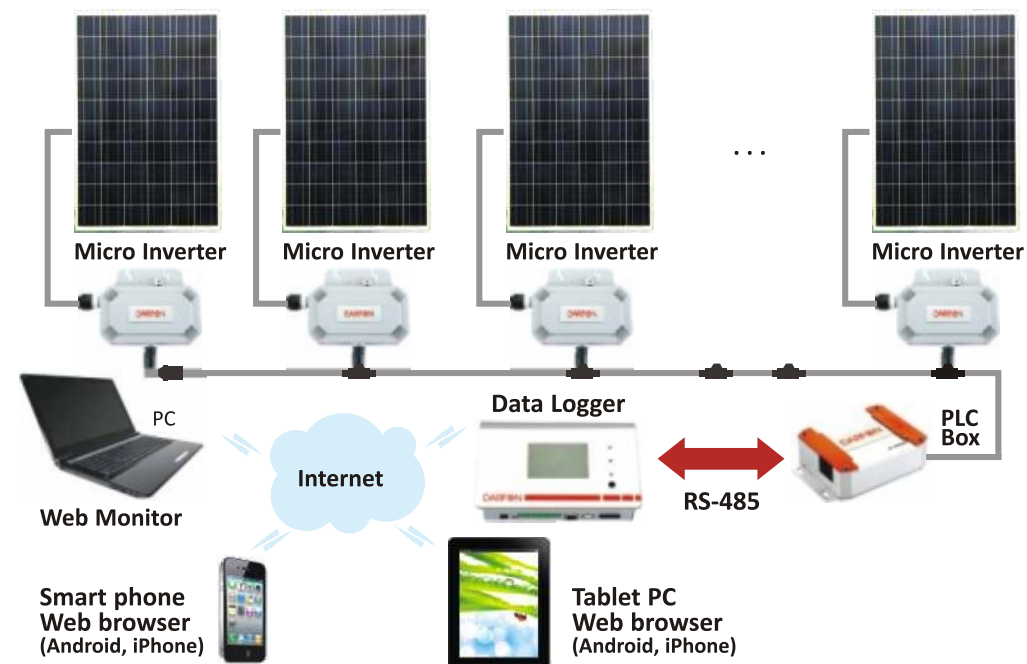


Features:

- Maximize system efficiency for better energy harvest.
- Higher reliability and better lifetime warranty than traditional string inverter.
- Higher AC output.
- Higher MPPT voltage: Can be used with mono-, multi-crystalline and 72-cell panels.
- Powerful web-based monitoring system through power-line communication.
- In-house production with flexible supply chain management and strong quality assurance.



Solar System with Darfon's Micro Inverter Total Solution



Monitoring Options:

- PLC Box: Economical and highly reliable PC-based monitoring at local site through RS485 connection.
- PLC BOX + Data Logger: Web-based monitoring system with house server compatible with IE, Chrome, Safari, Android phone, iPhone, Android tablet, iPad.
- Automatic fast registration.
- One-touch back-up function.
- Support Wi-Fi connection (optional).
- Support MVD / reactive power control function.
- Support irradiation and temperature meter.

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BICW[®] solar
A DIVISION OF BOMBAY INSULATED CABLES AND WIRES CO.

Specifications - Micro Inverter

MIG240UL	
Input Data (DC)	
Max. input power	Up to 260W
Max. input DC voltage	60V
MPPT voltage range	24~40V
Min. start voltage	24V
Max. DC short circuit current	12A
Max. input current	10A
Output Data (AC)	
Max. continous output power	220W
Max. peak output power	245W
Nominal output current	0.917A
Nominal voltage/range	211 / 240 / 264 V
Nominal frequency/range	59.3 / 60 / 60.5 Hz
Power factor	>0.95
Efficiency	
Peak inverter efficiency	94.1%
CEC weighted efficiency	93%
Nominal MPP tracking	99%
Mechanical Data	
Operating temperature range	-40°C to +65°C
Night time power consumption	51mW
Dimensions (W x H x D) in mm	220 x 130 x 37
Other	
Communication	Powerline
Certificates	EN 61000-6-2, EN 61000-6-3, FCC Part15 Class B, UL 1741, IEEE 1547

• Specifications are subject to change without notice.

Specifications - Data Logger

Data Logger	
Communication interface	1 x RS485/RS422
Plant monitoring	
String monitoring (depends on model)	√
Inverter failure	√
Performance monitoring for each inverter-	√
Status / fault monitoring	√
Connection to sensor system (irradiation / temp)	√
Email alarm+	√
Local alarm (Light / sound)	√
Visualisation	
Integrated web server	√
Graphic visualisation - local PC	√
Graphic visualisation - internet	√
LED status display	√
Display on device (option)	3.5" graphic display (192 x 128 dots)
Interfaces	
Ethernet network	√
USB stick	√
Memory expansion	SD Card (Max. SDHC 32G)
Wi-Fi	Optional, int. USB Wi-Fi dongle
Modem analogue / GPRS(GSM)	Optional, int. RS-232 interface
General data	
Mains voltage / device voltage	220 V / 12 V
Power consumption	4W
Ambient temperature	-10°C to +50°C
Housing / dimensions (W x H x D) in mm	metal / 200 x 140 x 45
Installation	Wall mount
Protection rating	IP 20 (for indoor use only)
Memory, micro SD, 4 GB	√
Backup to external memory (USB stick, SD Card)	√

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