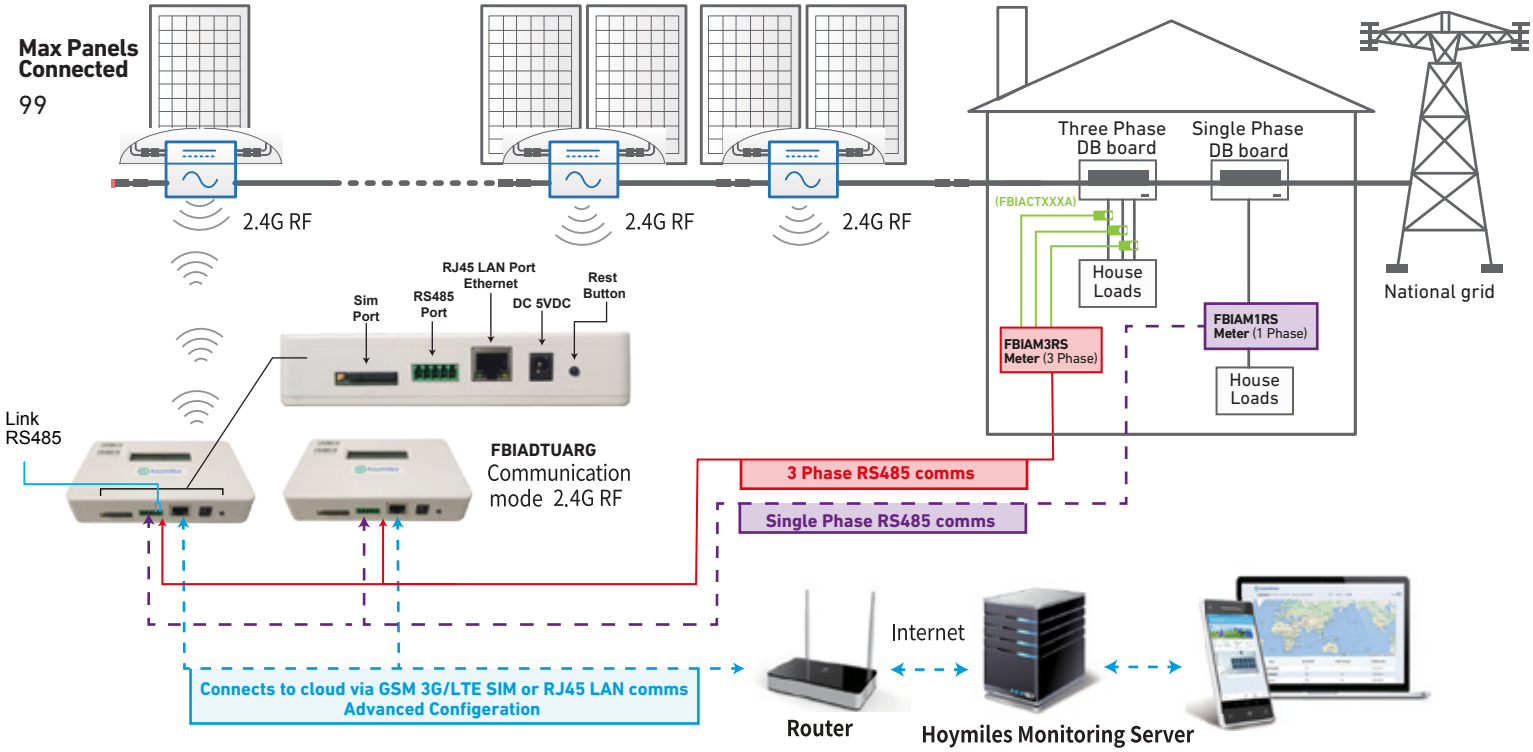
Hoymiles - Three Phase & Single Phase Zero Export GSM

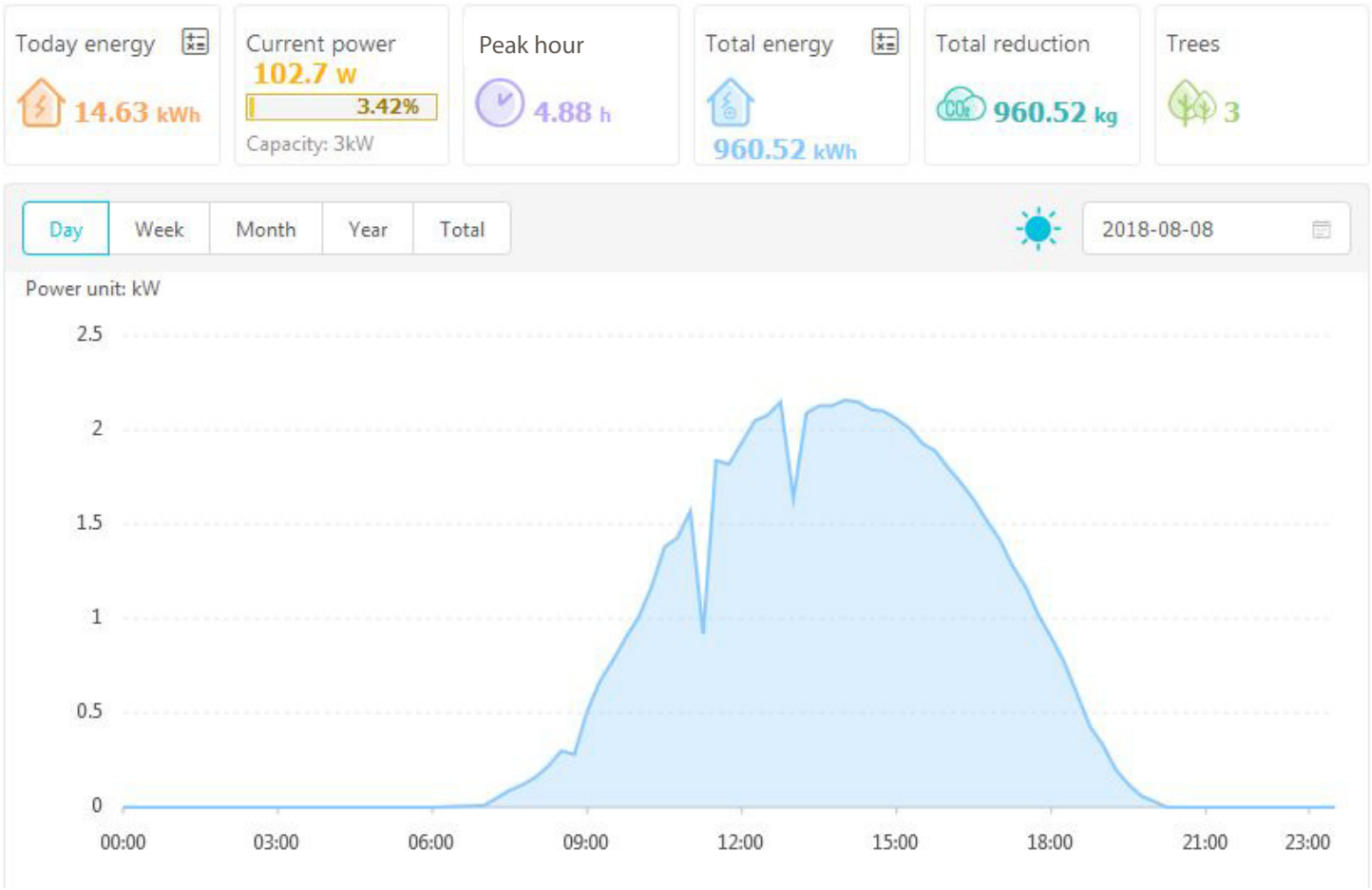
Product Code: FBIADTUARG

Smart Monitoring



Data Transfer Unit (DTU) - FBIADTUARG:

The DTU (FBIADTUARG) collects performance data from each micro-inverter wirelessly and sends the data to the Hoymiles monitoring server via the internet using GSM 3G/LTE SIM or RJ45 LAN comms advanced configuration. View your remote monitoring module-levels for the micro-inverter's operating status live in real time. It has a built-in monitoring server to provide monitoring locally.



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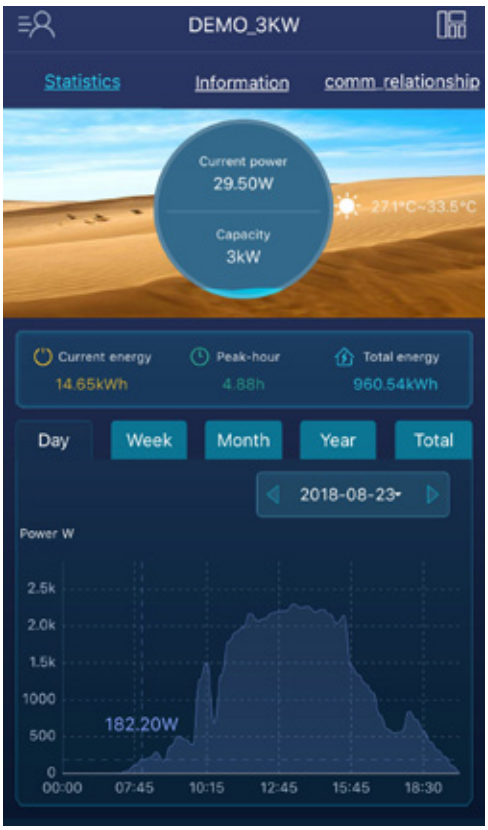

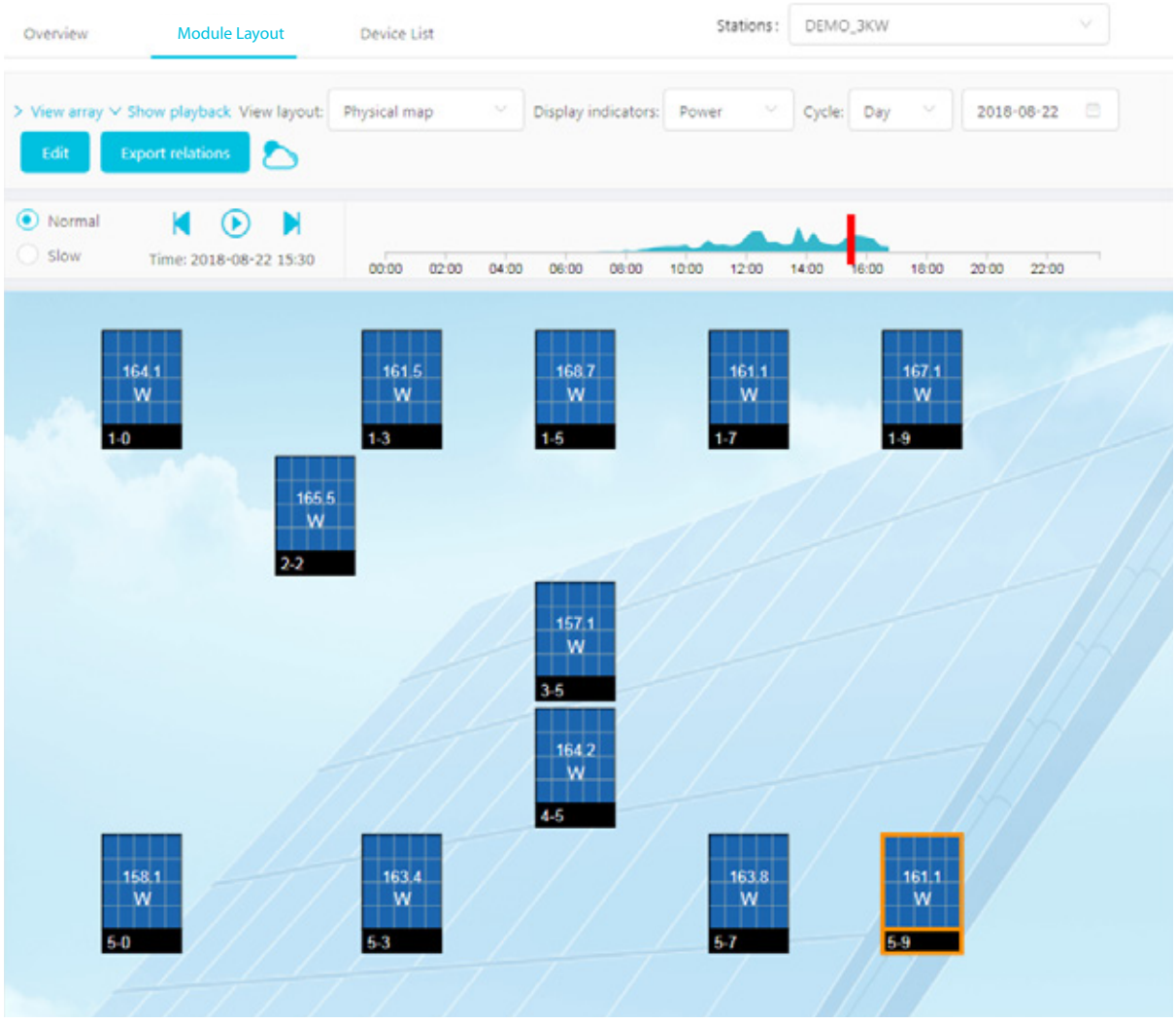

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Specification table

Model	FBIADTUARG
Communication to Microinverter	
Type	2.4G RF
Sample Rate	Per 5 Minute
Maximum Distance (Free Space)	50m
Maximum Number of Panels Connected	99 (in perfect RF conditions)
Electric Meter Communication	
RS485	Standard RS485
Communication to Router/PC	
RJ45 Ethernet	100M
GSM	3G/LTE SIM
Power Supply	
Type	External Plug-In Adapter
Adapter Input Voltage/Frequency	100 to 240 VAC / 50 or 60Hz
Adapter Output Voltage/Current	5V / 2A
Power Consumption	2.5W (Typical), 5W (Maximum)
Mechanical Data	
Ambient Temperature	-20°C to 55°C
Dimensions (W×H×D)	149mm×90mm×31mm
Weight	0.22kg
Mounting System	Wall Mounting
Display	16 Characters x 2 Lines LCD
Others	
Compliance	IEC60950 IEC61000-6-2 FCC Part15 Class B/Class C
Standard Warranty	2+ Years

The electricity generated by solar PV panels is restricted from being fed back to the grid. To meet this requirement, Hoymile's has developed a smart zero export solution for single-phase and three-phase.

The Hoymiles DTU device monitors the active power of the three-phase smart meter in real time, ensuring that the active power generated by any phase of the photovoltaic system, is lower than the active power consumed by the corresponding phase of the local load, thus achieving zero export.

Simultaneously, under the premise of not feeding to the grid, the DTU will control the opening and closing of each phase microinverter according to the real-time data of the meter, to generate as much power as possible to ensure maximum efficient power generation.