DUAK

Smart Energy Solution

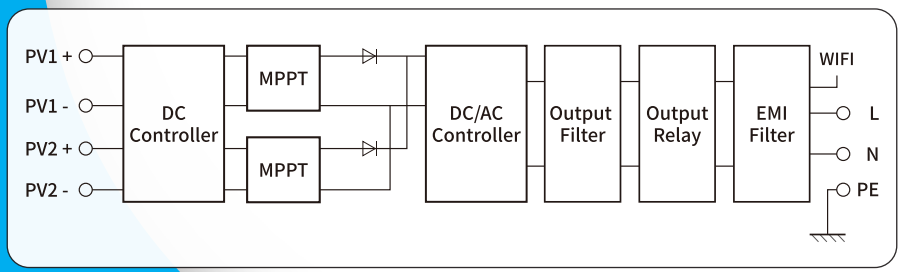


Micro Inverter



DUAK 1.1 KW MICRO INVERTER

500W 600W 700W 800W 900W 1000W 1100W 1200W



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Technical Specification

Model	DU 1100WE
Input Data (DC)	
Commonly Module Power (W)	330 to 585
Operation Voltage Range (V)	14-63
MPPT Voltage Range (V)[1]	16-60
Start-up Voltage (V)	18
Max. Input Voltage (V)	63
Max. Input Current (A)	2x18
Max. Input Short Circuit Current (A)	2x25
DC Portbackfeed Current (A)	0
Overvoltage Class DC Port	II
Number of MPPTs	2
Number of Inputs per MPPT	1
Output Data (AC)	
Rated Output Power (VA)	1100
Rated Output Current (A)	4.59
Max. Units per 2.5mm² Branch[2]	5
Max. Units per 4mm² Branch[2]	9
Nominal Output Voltage (V)[3]	230 / 240
Nominal Frequency (Hz)	50
Max. Output Overcurrent Protection (A)	6.5
Max. Output Fault Current (A)	6.5
Current Inrush (A)	0
Overvoltage Class AC Port	III
Power Factor (adjustable)	>0.99 (default)
Total Harmonic Distortion	<3%
Efficiency	
CEC Peak Efficiency	96.80%
Nominal MPPT Efficiency	99.80%
Nighttime Power Consumption (mW)	<50
Packing Configuration	
Container	20 GP / 40 HQ
Pieces/Pallet	1100 * 1100 * 120
Pallets per Container	20 / 40
Pieces per Container	2800 / 5880
General Data	
Ambient Temperature Range (°C)	-40 to +65
Dimensions (W x H x D mm)	274 x 222 x 36.5 (Metal Housing)
Weight (kg)	3.22
Zero Feed-in	Supported (Optional)
Enclosure Rating	Outdoor IP67 (NEMA 6)
Relative Humidity	0 ~ 100%, No Condensing
Max. Operation Altitude (m)	2000
Pollution Degree	III
Cooling	Natural Convection (no fans)
Communication	WIFI(WE-P2) / Sub-1G(BE-P2)
Monitoring	DUAK Cloud[4]
Type of Isolation	Galvanically Isolated
Compliance	BIS Approved R. No. R-84005754

*1 The output power may vary with the output voltage.
*2 Refer to local requirements for exact number of microinverters per branch.
*3 Nominal voltage/frequency can vary depending on local requirements.
*4 Duak Intelligent Power Monitoring System.



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Why Choose DUAK Micro Inverter?

- Made in India
- Robust & Reliable
- High Conversion Efficiency
- Wi-Fi Enabled Monitoring
- Seamless Installation
- Compatible with All Solar Panels
- Maximum Power Output Per Panel

Built for Indian Conditions

- Withstands extreme temperatures
- Dustproof and weather resistant
- Smart diagnostics & alerts

Perfect for Every Home & Business

- Individual panel monitoring
- Better performance in shade
- Increased energy harvest
- Long product life
- Low maintenance

Stay Connected, Always

Monitor performance in real-time from anywhere using DUAK smart mobile app.

Ministry of MSME, Govt. of India

ISO 9001 : 2008

BUREAU OF INDIAN STANDARDS

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DUAK ENERGY PVT. LTD.

Duak is The Name of Trust

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