



Modular Megawatt Grid-Tied Solar System Kit

APPLICATIONS

- Solar Farms and Utility Projects
- Commercial Building Rooftop Systems
- Private Solar Investment Projects
- Government Initiative / Sponsored Projects

KEY FEATURES

- Modular System Blocks, Easy for Expansion
- Smart Utility SCADA Communication
- Easy Control Smart Features (Active/Reactive/PF and Ramp control)
- Standard Modular Design, Save Time and Money \$\$
- Quick Installation and Less Variances
- Distributed Power Design using String Inverters

Delta System Operation Experience:

As one of the leading providers of Renewable Energy products and services, Delta Electronics Inc. is committed to offering our customers best-in-class technology that can provide the lowest cost of electricity. Over the last couple of decades, Delta has established itself as a one of global leaders in the Power Electronics, demonstrating its design expertise while at the same time focusing on reliability improvement. In addition, Delta renewable energy installation and component supply several Megawatts (MW) around the world.

BENEFITS

- Very Short Payback (3 to 6 years), depends on Incentive and Tax benefits
- Standard and modular design, easy to implement
- No upfront Engineering cost, everything predefined
- In-house components, better reliability and warranty service
- Guaranteed Energy Production Estimation
- Quality product and system

Modular Blocks	1MWp Modular Blocks
Each blocks size	250kWp (Min. 500kW system)
Number of Solar Panels / Block (250Wp)	1,008 Pcs (250kW) 2,016 Pcs (500kW) 4,032 Pcs (1MW)
Number of Solar Panels / Block (310Wp)	810 Pcs (250kW) 1,600 Pcs (500kW) 3,240 Pcs (1MW)
3Ph String Inverters	80kW, 3Ph, 480V
Racking system (Rooftop / Ground mount)	0° Tilt - 30° Tilt
Area needed based for ground mount system (based on 15° Tilt)	~ 99,890sqft. (~2.3 Acres)
Wind speed design	90 MPH
Ground screw design	Based on Soil condition (1m - 2m length)
Smart Features	SCADA communication and control
Communication	RS485 / Ethernet / DNP3
System Type	Modular Grid-tie system

Solar Inverters	
Type	Grid Tied
Maximum Voltage / Operating Voltage Range	1000 Vdc / 200 - 1000 Vdc
Maximum Efficiency / CEC Efficiency	98.8% / 98.4%
Operating Temperature	-25°C - +60°C
Dimensions (Height x Width x Depth)	35.4" x 24.2" x 10.8"
Weight	82 kg (180 lbs)
Protection Rating	NEMA 4X (IP 66)

Racking System	
Type	Ground mount
Material type and hardware's	Aluminum racking with Steel hardware's
Foundation Type	Ground Screws (1m - 2.5m length)
Wind Speed Design	90 MPH

Product specifications subject to change without notice.