

# Solatek Mega 150KW – 250KW – 500KW



- Friendly Flexible:**
- Various working modes that can be set flexibly
  - PV controller modular design, easy to expand
- Abundant Configuration:**
- Integrated design
  - Supports simultaneously load, battery, power grid, diesel and PV
  - Built-in maintenance bypass switch, improved system availability
- Safe and reliable:**
- Built-in isolation transformer for high load adaptability
  - Perfect protection function for inverter and battery
  - Redundancy design for important functions
- Intelligent and efficient:**
- Supports battery capacity and discharge time prediction
  - Smooth switch between on and off grid, uninterrupted supply of load
  - Operate with EMS to monitor system status in real-time

ON-GRID INVERTER WITH ENERGY STORAGE

## Solatek TX-PA 3 Phase Transformer Type Hybrid Inverter Specifications

MODEL	Solatek Mega 150KW	Solatek Mega 250KW	Solatek Mega 500KW
<b>AC (ON-GRID)</b>			
Max Output Power (kVA)	165	275	550
Rated Power (kW)	150	250	500
Rated Voltage (V)	400		
Rated Current (A)	216	361	722
Voltage Range (V)	320~460		
Rated Frequency (Hz)	50/60		
Frequency Range (Hz)	45~55/55~65		
THDi	<3%		
Power Factor	1 lagging - 1 leading		
AC Connection	3W+N+PE		
Transformer Ratio	270/400	270/400	315/400
<b>AC (OFF-GRID)</b>			
Max Output Power (kVA)	165	275	550
Rated Power (kW)	150	250	500
Rated Voltage (V)	400		
Rated Current (A)	216	361	722
THDu	≤1% linear; or ≤5% non-linear		
Rated Frequency (Hz)	50/60		
Overload Capacity	110% long-term		
<b>PHOTOVOLTAIC INPUT</b>			
Max PV Input Voltage (V)	1000		
Max PV Power (kW)	120/180/240	300/360	600/660/720
MPPT Voltage Range (V)	250-850		
MPPT Voltage Range @Full Load (V)	450-850		
<b>BATTERY</b>			
Battery Voltage Range (V)	420-850	420-850	500-850
Max Charging Power (kW)	120/180/240	300/360	600/660/720
<b>GENERAL DATA</b>			
Dimension W*D*H (mm)	1200*800*2050	(600*720*2050) *1+ 1200*800*2050	(600*720*2050) *2+ 2800*1050*2050
Weight (kg)	1250/1280/1310	1980/2010	3265/3295/3325
Operation Temperature	30°C ~ 55°C		
Relative Humidity	0 ~ 95% non-condensing		
Ingress Protection	IP20		
Noise Emission (dB)	<70 dB		
Altitude	5000m (>3000 Derating)		
Cooling	Air Cooling		
<b>DISPLAY AND COMMUNICATION</b>			
Display	LCD Touch-Screen		
BMS Communication	RS485, CAN		
EMS Communication	RS485, TCP/IP		
Certificates	TUV, CE		