ONE INVERTER

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TW Series

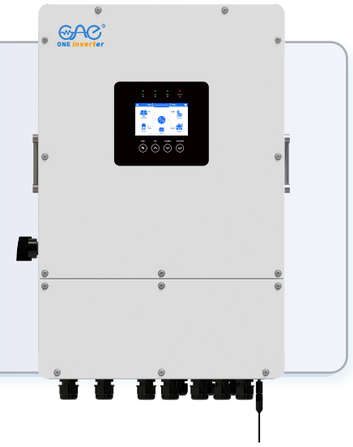
Hybrid Solar Inverter

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6KW / 10KW / 12KW

48V

Pure Sine Wave Out
≥99.9% Efficiency
Lithium Battery Supported
Intelligent Charging Management
Multi-layer Protection

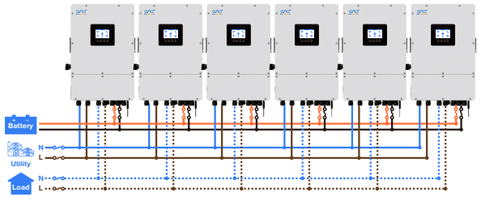


TW series is a new hybrid solar storage control inverter integrating solar storage, grid charging and energy storage with pure sine-wave AC output. It adopts DSP control and delivers fast response speed, high reliability and full compliance with industrial standards via advanced control algorithms. Its intelligent port supports dual AC input/output configuration, improving system power flexibility and load management. The battery charging and discharging power can be adjusted according to customer requirements, either by time or voltage. Mains power consumption can be regulated based on peak-and-off-peak time periods.

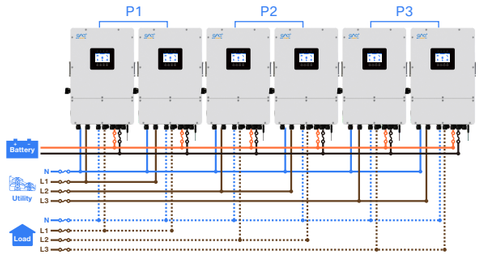
FEATURES

- Rated power 6/10/12KW.
- Pure sine wave AC output.
- Parallel operation supported.
- Dual Activation Function.
- WiFi remote monitoring.
- Anti-reverse Current Protection.
- Multi-Layer Security Protection.

PARALLEL & THREE-PHASE OPERATION UP TO 6 UNITS



Parallel Operation in Single phase



Support 3-phase equipment

INVERTER MODEL	6KW	10KW	12KW
Rated Output Power	6KW	10KW	12KW
Maximum Peak Power	12KVA	20KVA	24KVA
Rated Output Voltage	230Vac (Default) (200/208/220/240Vac settable) ±5%		
Loading Motor Capacity	3HP	6HP	6HP
Rated Frequency	50 / 60Hz		
Output Wave	Pure sine wave		
Switching Time	10 ms (typical value)		
Parallel Number	1~6 units		
Overload Protection	5min@102%~125% load; 10s@125%~150% load; 5s@>150% load	5min@102%~110% load; 10s@110%~125% load; 5s@>125% load	5min@102%~110% load; 10s@110%~125% load; 5s@>125% load
Battery			
Battery Type	Lithium-ion battery / lead-acid battery / user-defined battery		
Rated Battery Voltage	48Vdc		
Voltage Range	40Vdc~60Vdc		
Maximum PV Charge Current	120A	200A	200A
Maximum Mains / Generator Charge Current	60A / 60A	120A / 60A	120A / 60A
Maximum Mix Charge Current	120A	200A	200A
PV Input			
MPPT Channel Number	2		
Maximum Input Power	4500W+4500W	8000W+8000W	9000W+9000W
Maximum Input Current	22A+22A	27A+27A	27A+27A
Maximum Open Circuit Voltage	500Vdc		
MPPT Operating Voltage Range	125Vdc~425Vdc		
Mains / Generator Input			
Input Voltage Range	90VAC~280VAC		
Input Frequency Range	50/60Hz		
Bypass Overload Current	40A	63A	63A
Efficiency			
MPPT Tracking Efficiency	99.9%		
Maximum Efficiency Of Battery Inverter	97.5%		
General			
Product Size(D*W*H)	520x365x226.5mm	670x440x326.7mm	670x440x326.7mm
Packing Size(D*W*H)	670x480x325mm	825x578x405mm	825x578x405mm
N.W.(KG)	19KG	38.5KG	38.5KG
G.W.(KG)	23KG	44KG	44KG
Protection Level	IP65		
Ambient Temperature	-10°C~55°C, >45°C derating		
Noise	<60dB		
Cooling Mode	Intelligent		
Communication			
Built-in Interface	RS485 / USB / Dry contact		
External Module (Optional)	WiFi / GPRS		

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