



Declare Your Grid Independence

ET Series (Australia)

Three-phase Energy Storage Inverter

5.0KW 10KW

UPS

Uninterruptible Power Supply



Maximum Efficiency up to 98.3%



Compact Size & Light Weight



Fanless Design, Quiet Operation



Wide Battery Voltage Range



The new ET Series 3 phase hybrid inverter is available in Australia as either a 5kW or 10kW model and currently is designed to work with both BYD and PYLONTECH HV modular (1.2kW or 2.4kW) batteries up to 11.52kW.

In the event of mains power-failure the inverter will automatically switch over within 10 milliseconds to UPS mode to power inductive loads like refrigerators, A/C.

Multiple time of day programmable modes with export limiting allow great flexibility to ensure as much self-consumption as possible to maximise your return on investment.

Technical Data

	GW5KL-ET	GW10KL-ET	
Battery/Input Data	Battery Type	Li-Ion	Li-Ion
	Battery Voltage Range (V)	180~550	180~550
	Max. Charging Current (A)	25	25
	Max. Discharging Current (A)	25	25
	Charging Strategy for Li-Ion Battery	Self-adaption to BMS	Self-adaption to BMS
PVString/InputData	Max. DC Input Power (W)	6500	12000
	Max. DC Input Voltage (V)*	600	600
	MPPT Range (V)	200~550	200~550
	Start-up Voltage (V)	180	180
	MPPT Range for Full Load (V)	240~550	320~550
	Nominal DC Input Voltage (V)	480	480
	Max. Input Current (A)	12.5/12.5	12.5/22
	Max. Short Current (A)	15.2/15.2	15.2/27.6
	No. of MPP Trackers	2	2
No. of Strings per MPP Tracker	1/1	1/2	
ACOutputData On-grid	Nominal Apparent Power Output to Utility Grid (VA)	5000	10000
	Max. Apparent Power Output to Utility Grid (VA)**	5000	10000
	Max. Apparent Power from Utility Grid (VA)	10000	15000
	Nominal Output Voltage (V)	400/380, 3L/N/PE	400/380, 3L/N/PE
	Nominal Output Frequency (Hz)	50/60	50/60
	Max. AC Current Output to Utility Grid (A)	8.5	16.5
	Max. AC Current From Utility Grid (A)	15.2	22.7
	Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
	Output THDi (@Nominal Output)	<3%	<3%
ACOutputData Back-up	Max. Output Apparent Power (VA)	5000	10000
	Peak Output Apparent Power (VA)***	10000, 60sec	16500, 60sec
	Max. Output Current (A)	8.5	16.5
	Nominal Output Voltage (V)	400/380	400/380
	Nominal Output Frequency (Hz)	50/60	50/60
	Output THDv (@Linear Load)	<3%	<3%
Efficiency	Max. Efficiency	98.0%	98.3%
	Max. Battery to Load Efficiency	97.5%	97.5%
	Euro Efficiency	97.0%	97.0%
Protection	Anti-islanding Protection	Integrated	Integrated
	PV String Input Reverse Polarity Protection	Integrated	Integrated
	Insulation Resistor Detection	Integrated	Integrated
	Residual Current Monitoring Unit	Integrated	Integrated
	Output Over Current Protection	Integrated	Integrated
	Output Short Protection	Integrated	Integrated
	Battery Input Reverse Polarity Protection	Integrated	Integrated
	Output Over Voltage Protection	Integrated	Integrated
GeneralData	Operating Temperature Range (°C)	-35~60	-35~60
	Relative Humidity	0~95%	0~95%
	Operating Altitude (m)	≤4000	≤4000
	Cooling	Nature Convection	Nature Convection
	Noise (dB)	<30	<30
	User Interface	LED & APP	LED & APP
	Communication with BMS	RS485; CAN	RS485; CAN
	Communication with Meter Communication	RS485	RS485
	with EMS	RS485 (Insulated) Wi-Fi	RS485 (Insulated) Wi-Fi
	Communication with Portal	Fi	Fi
	Weight (kg)	25	25
	Size (Width*Height*Depth mm)	415*516*180	415*516*180
	Mounting	Wall Bracket	Wall Bracket
Protection Degree	IP65	IP65	
Standby Self Consumption (W)****	<15	<15	

	Topology	Transformerless	Transformerless
Certifications & Standards	Grid Regulation	AS/NZS 4777.2:2015	
	Safety Regulation	IEC62109-1&2, IEC62040-1	
	EMC	-6-3, EN61000-6-4, EN61000-4-1	

*: Maximum operating voltage is 950V.

** : According to local grid regulation.

***: Can be reached only if PV and battery power is enough.

****: No Back-up output.