catch
energy

Creating better
energy solutions

Hybrid Inverter

Features at a glance

Fully hybrid solution – use grid-tied or off-grid

Intelligent control unit ensures you're always saving if on-grid

Efficiently charges and discharges the power cells twice a day

Charge/discharge rate of 2500W

Compatible with smart meters

G83 and G59 approved

Built in emergency back-up feature

Catch Energy Hybrid Inverter (3600W and 5000W)

The Catch Energy Hybrid Inverter combines cutting edge technology and clever features in a market-leading package.

Effortless intelligent technology

Fast, reliable and user-friendly, these hybrid inverters charge fast, discharge powerfully (2500W), and include game changing smart technology. Simply set preferences through the user-friendly web interface, then relax as the intelligent control unit drives the technology to take care of itself. It will choose whether generated energy should be stored, consumed, or topped up from the grid – whichever will prove most cost effective. It adds up to an effortless way to control energy storage and spend.

Revolutionary future-proofed design

The Catch Energy Solutions Hybrid Inverter comes well equipped for tomorrow's challenges. When integrated with a smart meter, it has the power to reduce load on the grid by sharing stored energy with the wider community at peak times – ready to replace in the off-peak period. As well as maximising grid efficiency and reducing reliance on fossil fuels, this 'virtual pooling' may provide an additional income stream for the owner, reducing the system's overall lifetime cost.

Specifications - Hybrid Inverter

Input Data DC	Output Data AC	Output Data AC	Emergency Back-up Power Output
Maximum DC Power-3600W/5000W	Nominal AC Output Power-3600W/5000W	Cell Type-LMT	Output Rate Power-2500W
Maximum DC Voltage-600V	Maximum AC Power (Apparent)-3600VA/5000VA	Nominal Voltage- 48V	Peak Power-3450W, 10s
Start Up Voltage-100V	Maximum Output Current-16.4A/22.8A	Maximum Charge/Discharge Power-2500W/2500W	Output Voltage-230Vac, 50Hz
DC Nominal Voltage-360V	AC Nominal Voltage; Range-220V-240V/180V-280V	Charging Curve-3 Stage Adaptive	Efficiency
MPP Voltage Range-120V-550V	AC Grid Frequency; Range-50 Hz 3 5Hz	Operating Voltage Range-32-54Vdc	Maximum-97.1%
Maximum Input Current Per String-11A/11A	Power Factor At Rate Power-1	Maximum Charge/Discharge Current-50A/50A	Efficiency Euro-eta-96.5%
Number of Independent MPPT inputs-2	Power Factor Range-0.8 Leading 0.8 Lagging		MPPT Efficiency-99.5%
	THDi-<3%		
	AC Connection-Single Phase		