

- Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs
- Built-in 80A MPPT solar charger
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Optional parallel operation up to 9 units



Gennex Axpert MKS Zero Specification

MODEL	Axpert MKS Zero 5KW
Rated Power	5000VA/5000W
INPUT	
Voltage	230 VAC
Voltage Range	110-280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing) \pm 4Hz
Power Factor	\cong 0.98 @ Nominal Voltage (100% Load)
THDi	\cong 10%
OUTPUT	
AC Voltage Regulation (Line & Batt. Mode)	230VAC \pm 5%
Frequency Range (Synchronized Range)	46~54 Hz or 56~64 Hz
Frequency Range (Batt. Mode)	50 Hz \pm 0.1 Hz or 60Hz \pm 0.1 Hz
Harmonic Distortion	\cong 3 % THD (Linear Load); \cong 5 % THD (Non-linear Load)
Transfer Time	0ms
Waveform	Pure sine wave
EFFICIENCY	
Line Mode	93%
ECO Mode	98%
Battery Mode	93%
BATTERY	
Battery Voltage	40~64 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	64 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	4000 W
MPPT Range @ Operating Voltage	60 ~ 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum Solar Charge Current	80A
Maximum AC Charge Current	60A
PHYSICAL	
Dimension, D X W X H (mm)	120 x 295 x468
Net Weight (kgs)	12.5
Communication Interface	RS232 & USB
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C