

MKS MODEL
OFF GRID INVERTERS



DATASHEET

MODEL	AxpertMKS 1K-12	AxpertMKS 2K-24	AxpertMKS 3K-24	AxpertMKS 3KP-24	AxpertMKS 4K	AxpertMKS 5K	AxpertMKS II 5K	AxpertMKS 5KP
Rated Power	1000VA/1000W	2000VA/2000W	3000VA/3000W	3000VA/2400W	4000VA/4000W	5000VA/5000W	5000VA/5000W	5000VA/4000W
Parallel Capability	No	No	No	Yes, 9units	Yes, 9units	Yes, 9units	Yes, 9units	Yes, 9units
INPUT								
Voltage	230 VAC							
Selectable Voltage Range	170 - 280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)							
Frequency Range	50Hz / 60Hz (Auto sensing)							
OUTPUT								
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%							
Surge Power	2000VA	4000VA	6000VA		8000VA	10000VA		
Efficiency (Peak)	90% --- 93%	93%		90%	93%	93%	90%	90%
Transfer Time	10 ms (For Personal Computers) ; 20ms (ForHome Appliances)							
Waveform	Pure sine wave							
BATTERY								
Battery Voltage	12 VDC (24VDC and 48VDC versions are also available)	24VDC	24 VDC (48VDC versions are also available)	24VDC	48VDC			24VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	27VDC	54VDC	54VDC Max: 58VDC (optional 64VDC, please check with sales)	54VDC	27VDC
Overcharge Protection	15.5VDC	31VDC	31VDC	30VDC	60VDC	64VDC (optional 66VDC, please check with sales)	66VDC	30VDC
SOLAR CHARGER & AC CHARGER								
Maximum PV Array Power	500W	600W	600W	1000W	4000W		4500W	2000W
MPPT Range @ Operating Voltage	15VDC --- 80VDC	30VDC --- 66VDC	30VDC --- 66VDC	30VDC --- 80VDC	60VDC --- 115VDC		120VDC --- 430VDC	30VDC --- 115VDC
Maximum PV Array Open Circuit Voltage	102VDC	75VDC	75VDC	100VDC	145VDC		450VDC	145VDC
Maximum Solar Charge Current	40A	25A	25A	40A	80A		80A	80A
Maximum AC Charge Current	20A	30A	30A	60A	60A		80A	60A
Maximum Charge Current	60A	55A	55A	100A	140A		80A	140A
PHYSICAL								
Dimension D x W x H (mm)	95 x 240 x 316	100 x 272 x 355		100 x 272 x 385	120 x 295 x 468			180 x 310 x 475
Net Weight (kgs)	5.2	7.0	7.4	7.5	12.5	13.5	11	12.5
ENVIRONMENT								
Humidity	5% to 95% Relative Humidity (Non-condensing)							
Operating Temperature	0°C to 55°C							
Storage Temperature	-15°C to 60°C							

* Typical transfer time for parallel operation is 30ms.

** Option remote panel is NOT available for Axpert MKS 3PK-24/ MKS II 5K / MKS 5KP

Product specifications are subject to change without further notice.