

Axpert MKS Plus Off-Grid Inverter



- Pure sine wave inverter
- Output power factor 1
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to AC mains or generator power
- Optional remote panel available

Axpert MKS Plus Off-Grid Inverter Selection Guide

MODEL	Axpert MKS 2K-24 Plus	Axpert MKS 2K-48 Plus	Axpert MKS 3K-24 Plus	Axpert MKS 3K-48 Plus
Rated Power	2000VA/2000W	2000VA/2000W	3000VA/3000W	3000VA/3000W
INPUT				
Voltage	230 VAC			
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)			
Frequency Range	50 Hz/60 Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%			
Surge Power	4000VA			6000VA
Efficiency (Peak)	90% - 93%			
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
BATTERY				
Battery Voltage	24 VDC	48 VDC	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC	27 VDC	54 VDC
Overcharge Protection	31 VDC	62 VDC	31 VDC	62 VDC
SOLAR CHARGER & AC CHARGER				
Maximum PV Array Power	1500 W	3000 W	1500 W	3000 W
MPPT Range @ Operating Voltage	30 ~ 115 VDC	60 ~ 115 VDC	30 ~ 115 VDC	60 ~ 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC			
Maximum Solar Charge Current	60A			
Maximum AC Charge Current	20 A or 30 A (Selectable)	10 A or 15 A (Selectable)	20 A or 30 A (Selectable)	10 A or 15 A (Selectable)
Maximum Charge Current	90 A	75 A	90 A	75 A
Maximum Efficiency	98%			
Standby Power Consumption	2 W			
PHYSICAL				
Dimension, D x W x H (mm)	140 x 295 x 479			
Net Weight (kgs)	11.5			
ENVIRONMENT				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	0°C - 55°C			
Storage Temperature	-15°C - 60°C			

Product specifications are subject to change without further notice.



LONG LIFE BATTERIES HIGH CAPACITY

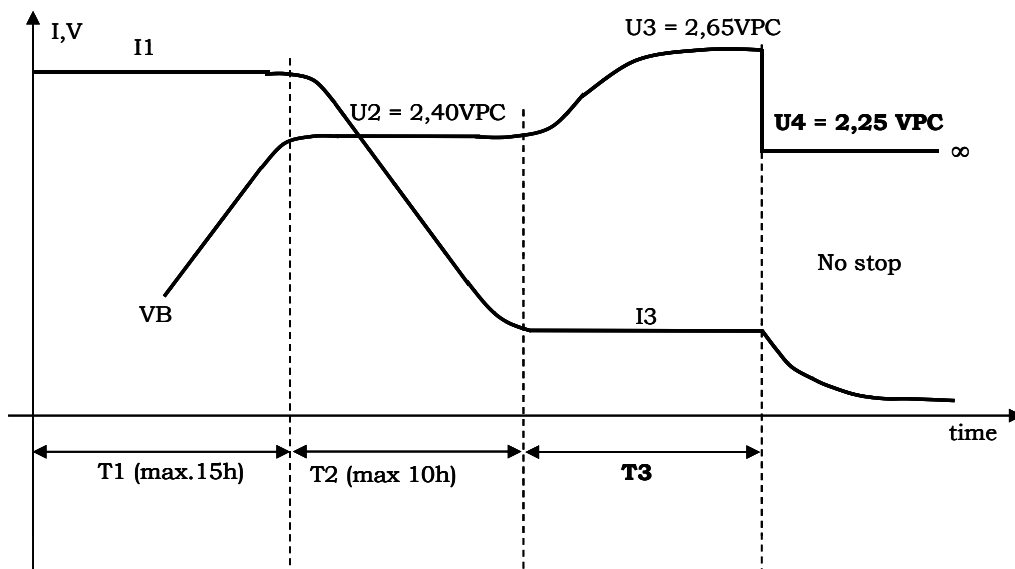
SPECIFICHE DELLA BATTERIA TIPO

Performance specification for battery type

7 TG 12 N



Voltaggio <i>Nominal Voltage</i>	.....	12 V		
Capacità <i>Nominal Capacity</i>	.....	20 h	200 Ah	
		5 h	150 Ah	
		2 h	117 Ah	
		1 h		
Resistenza interna <i>Internal Resistance</i>	.....	milliohms		
Dimensioni (mm) <i>Dimensions (mm)</i>	.....	Lunghezza 510 mm; <i>Lenght 510 mm</i>	Larghezza 222 mm; <i>Width 222 mm</i>	Altezza 225 mm <i>Height 225 mm</i>
Poli <i>Terminals</i>	.....	+ \ -	
Elettrolito <i>Electrolyte</i>	.....	Acido Solforico <i>Sulphuric acid</i>	1,29 gr/lt 30°C	
Contenitore <i>Recipient</i>	.....	Polipropilene (PP) <i>Polypropylene (PP)</i>		
Peso con elettrolito <i>Weight with electrolyte</i>	.....	51,4 Kg.		
Corrente di carica suggerita <i>Suggested Charging current</i>	.....	25 A WA 20 IUIA		
Temperatura di lavoro <i>Operating Temperature</i>	.....	-20°C / 45°C		
Temperatura d'immagazzinaggio <i>Storage Temperature</i>	.....	-20°C / 40°C		
Numero Cicli <i>Cycle nr.</i>	.....	1200		



➤ **Durata: T1 + T2:** la durata delle due fasi iniziali può essere al massimo 14h

➤ **Durata: T3**

La durata di T3 è uguale alla durata della carica principale, cioè $T3 = T1 + T2$, ma con un minimo di 1h e

T1+T2 [h]
T3 [h]

< 1	2	3	4	> 4
1	2	3	4	4

massimo di 4h: