

MKS OFF-GRID INVERTER

HYBRID INVERTERS

- Pure sine wave MPPT solar inverter
- Customizable status LED ring with RGB lights
- Touchable button with 4.3" colored LCD
- Wide DC input range
- Supports USB On-the-Go function
- Data log events stored in the inverter
- Built-in Wi-Fi for mobile monitoring (App is available)
- Reserved communication port for BMS
- Battery independent function
- Parallel operation with up to 9 units



TECHNICAL SPECIFICATIONS

MODEL	MKS 3600K	MKS 5600K
Rated power	3600VA/3600W	5600VA/5600W
INPUT		
Voltage	230 VAC	
Selectable voltage range	170-280 VAC (For personal computers) 90-280 VAC (For home appliances)	
Frequency range	55Hz / 60Hz (Auto sensing)	
OUTPUT		
AC voltage regulation (batt. mode)	230VAC \pm 5%	
Overload capacity	5s@ \geq 150% load; 10s@110%~150% load; 100ms @ \geq 200% load	
Efficiency (peak)	93%	
Transfer time	10 ms (For personal computers) ; 20 ms (For home appliances)	
Wave form	"Pure sine wave"	
BATTERY		
Battery voltage	48 VDC	48 VDC
Floating charge voltage	54 VDC	54 VDC
Overcharge protection	66 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
Solar charge type	MPPT	
Maximum PV array power	5000 W	6000 W
MPPT range @ operating voltage	120 VDC ~ 430 VDC	
Maximum PV array open circuit voltage	450 VDC	
Maximum solar charge current	100 A	120 A
Maximum AC charge current	100 A	120 A
PHYSICAL		
Dimension, HxWxD (mm)	468x295x140	
Net weight (kg)	11.0	12.0
Communication interface	USB/RS232/RS485/Wifi/Dry-contact	
ENVIRONMENT		
Humidity	5% to 95% relative humidity (non-condensing)	
Çalışma sıcaklığı	-10°C - 50°C	
Depolama sıcaklığı	-15°C - 60°C	