

# Off-Grid Inverter

IP66-OFG6K48ME

POWER  
**MAXMA**

ماكسما  
ماركة مسجلة



IP66 all-aluminum chassis, adaptable to outdoor environment



High charge/discharge efficiency, compatible with lithium battery and lead-acid battery



Flexibly settable charge/discharge time section and power, peak load shaving



APP real time monitoring, easy maintenance



Outstanding off-grid output performance, adaptable to various non-linear load

## Inverter Specification

MODEL	IP66-OFG6K48ME
<b>PV input parameter</b>	
Max. input power	7800W
Max. input voltage	550Vdc
Rated input voltage	360Vdc
Start-up voltage	100Vdc
MPPT voltage range	100-540Vdc
Max. input current per MPPT	15A/15A
Max. short-circuit current per MPPT	20A/20A
Number of MPPT	2
Number of input strings per MPPT	1/1
<b>Battery input parameter</b>	
Battery type	Li-ion, Lead-acid battery
Voltage range	40.8-57.6Vdc
Max. charge current	120A
Max. discharge current	120A
Lithium battery charging strategy	BMS self-adaption
<b>Grid input parameter</b>	
Rated input power	6000W
Max. input apparent power	6000VA
Rated input current	26.1A
Max. apparent input current	26.1A
Input voltage range	184-276Vac
Input frequency range	50/60±5Hz
<b>AC output parameter</b>	
Rated output power	6000W
Max. apparent output power	6000VA
Grid system mode	Single phase(L+N+PE)
Rated output voltage	220Vac/230Vac
Rated output frequency	50Hz
Rated output current	26.1A
Max. output current	26.1A
Transfer time	≤10ms
THDV	≤3%(@Rated Power)
<b>Efficiency</b>	
Max. efficiency	97.8%
MPPT efficiency	99.9%
<b>Protections</b>	
Protections	Over/under voltage, over/under-frequency, over load, output short-circuit, over temperature, residual current monitoring unit, output over-current, insulation resistance, anti islanding, surge protection
Surge protection	DC Type II/AC Type III
<b>Others</b>	
Dimensions(WxHxD)(mm)	548x440x197
Packaging Size(WxHxD) (mm)	697x627x280
Net weight(kg)	24.8
Topology	High frequency isolation(for battery)
IP rating	IP66
Operating temperature	-25°C ~ +60°C(>45°C derating)
Cooling mode	Natural cooling
Altitude	4000m
Noise level at 1 m	≤25dB
Installation mode	Wall-mounted
<b>Standards</b>	
LVD	IEC/EN 62109-1/-2, AS62109
EMC	EN 61000-6-1/-2/-3/-4