

# SOLAR HYBRID INVERTER

NOTE: WE OFFER CUSTOM SOLUTIONS TO MEET YOUR UNIQUE REQUIREMENTS



**MARS**  
Energy & Mobility

8.6KW 48V



MODEL	:	GA8648SMHGW
PROTECTION DEGREE	:	IP 21
CAPACITY	:	8600VA/8600W
PV & DC /AC	:	11000VA/11000W
OPERATING TEMPERATURE RANGE	:	10~50 °C
SOLAR MODE	:	
SOLAR PANEL POWER	:	2X 6500W
MAX.CHARGING CURRENT	:	150AMP
MAX INPUT CURRENT	:	36AMP
NOMINAL INPUT CURRENT	:	27AMP
SOLAR VOLTAGE RANGE(VMP)	:	90-500VDC
FULL LOAD MPPT RANGE	:	360-430VDC
MAX. SOLAR VOLTAGE	:	500VDC
INVERTER MODE	:	
BATTERY VOLTAGE RANGE	:	42-64VDC
MAX. BATTERY DISCHARGING CURRENT	:	198.8A
AC OUTPUT	:	230 VAC, 50/60HZ, 23.9A ,1 $\phi$
TWO LOAD OUT PUT POWDER	:	
MAXIMUM MAIN LOAD	:	8600W
MAXIMUM SECOND LOAD	:	8600W
SECOND LOAD CUT OFF VOLTAGE	:	44VDC
SECOND LOAD RETURN VOLTAGE	:	52VDC