



# CLEARWATER

MONTANA PROPERTIES

## PREMIUM OFF-GRID ENERGY SOLUTION

— RELIABLE POWER. SMARTER LIVING. —



The **M6048D** is a powerful all-in-one solar inverter/charger designed for off-grid and backup power systems.



### MODEL: M6048D

Sigineer Power 6kW off-grid solar inverter/charger is a technically all-in-one combination of 6,000W 48Vdc to 120/240Vac transformer-based inverter, 80A MPPT solar charge controller, 60A AC battery charger, and 63A automatic transfer switch.

It is designed for solar applications in off-grid and backup power systems, along with appropriate solar panels and batteries, providing a solution that will help you save money, keep your home safe, and reduce your carbon footprint.



### ALL-IN-ONE

Technically electrical combination of 6,000 watts 48V DC to 120V/240V AC split phase pure sine wave inverter, 80A MPPT solar charge controller, 60A AC to DC battery charger and automatic transfer switch, ideal for off-grid solar system.



### POWERFUL

18,000 watts surge for 5 seconds, low frequency with transformer, multi-stage smart charging, compatible to mains voltage and generator power, 10ms typical transfer time, capable of powering demanding loads like microwave oven, refrigerator, air conditioner, washing machine, pumps, and so on.



### INTELLIGENT

Auto-wakeup MPPT charge controller, auto-recovery from over-load/low-battery cut-off, automatic load detection on both hotlines, automatic over-load bypass, programmable LCD menu, remote monitoring and control on APP by WI-FI/GPRS.



### ADVANCED

AC/Battery/PV priority selector, 4 charging modes, 3 output power priorities, BMS port supports RS485 communication with lithium batteries including Tesla modules, designed software protections against overload, short circuit, over-temperature, under & over voltage.



**DEPENDABLE POWER. OFF-GRID FREEDOM.  
BUILT FOR WHAT MATTERS MOST.**