

IDEAL SERIES IP54

HYBRID SOLAR ENERGY STORAGE INVERTER

SERIES 4/6/12KW



MPPT

Puresinewave MPPT solar inverter
Built-in 120/150A MPPT solar charger



Battery

Batteryequalization function extend life cycle
Reserved communication port(RS485,CAN)for BMS



Hybrid

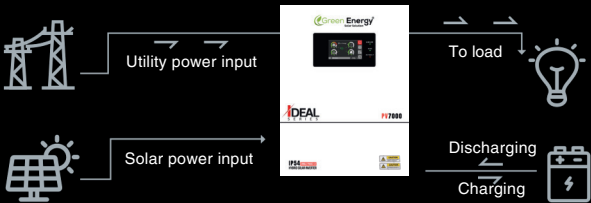
REVOHMT G2-IP54 series is suitable for
off-grid and on grid(optional) applications.



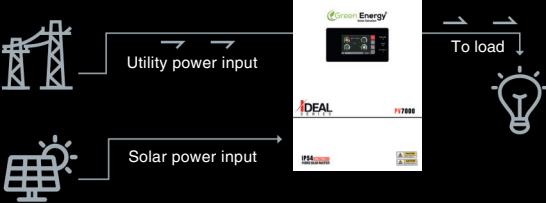
Easy access

High PVinput voltage range
Two outputs for smart load management

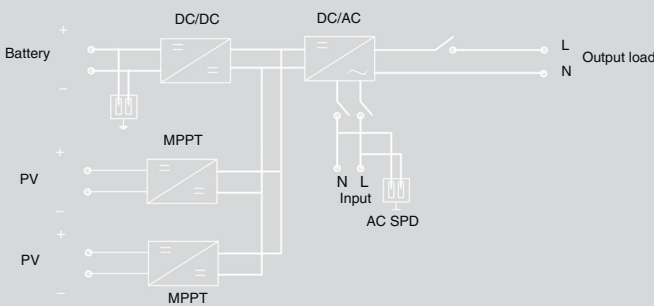
With battery connected



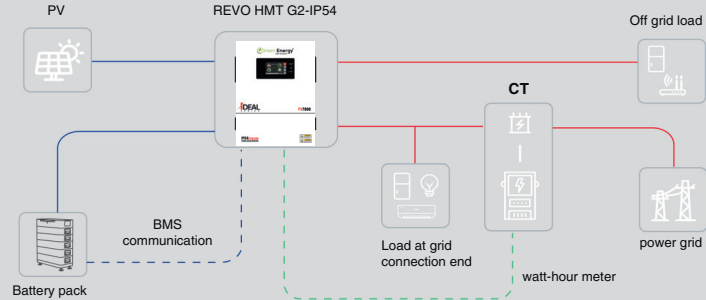
Without battery connected



Schematic diagram



Product application diagram



Technical Specification	IDEAL SERIES 1P54		
Rated Power	4000VA/4000W	6000VA/6000W	12000VA/12000W
AC INPUT			
AC Voltage	230VAC		
Voltage Range	170-280VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)		
Frequency Range	50/60Hz (Auto sensing)		
AC OUTPUT			
Surge Power	8000VA	12000VA	24000VA
AC Voltage Regulation (Battery Mode)	230VAC ± 5%		
Rated frequency	50/60Hz		
Efficiency (Peak)	93%		
Transfer Time	10ms (For Personal Computers) ; 20ms (For Home Appliances)		
BATTERY			
Battery Voltage	24VDC	48VDC	
Floating Charge Voltage	54VDC		
Overcharge Protection	63VDC		
Battery type	Lithium/Lead-acid		
SOLAR CHARGER & AC CHARGER			
Maximum PV Array Open Voltage(V)	500VDC		
Maximum PV Array Power	7000W	9000W	18000W(9000*2)
MPPT voltage range(V)	60~450VDC		
Maximum input current	27A	27A	24A*2(MAX 40A)
MPPT tracker/strings	1		2
Maximum solar charge current	120A	120A	150A
Maximum AC charge current	100A	100A	150A
Maximum charge current	120A	120A	150A
PROTECTION & FEATURE			
AC overcurrent	Yes		
AC overvoltage	Yes		
Over temperature protection	Yes		
Smart load management	Yes		
Parallel Function	Yes (Optional)		
GENERAL PARAMETERS			
Operation temperature	-10°C ~ 50°C		
Relative humidity	5% ~ 95% (Non-condensing)		
Altitude	(2000m Derating)		
COMMUNICATION			
Interface	Standard:RS232,USB; CAN&RS485; Optional:WiFi		
Safety standard	EN/IEC62109-1,EN/IEC62109-2		