



Derive Communications Systems & Engineering Limited

REVO VM II PRO

Hybrid Solar Energy Storage Inverter
series 4/6/8/11kW



MPPT

Built-in two MPPT(6KW-11KW),with wide PV input range:60~450VDC



Easy to use

Configurable AC/PV output usage time and prioritization

On & Off-Grid

REVO VM IV series is suitable for on & off-grid applications



Battery

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



Parallel function

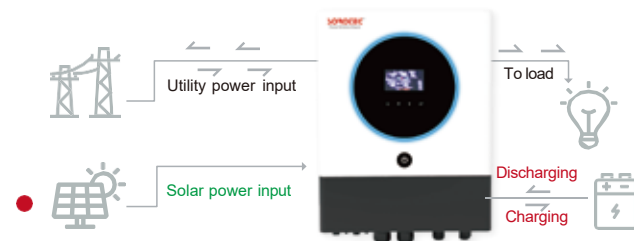
Parallel operation up to 6 units



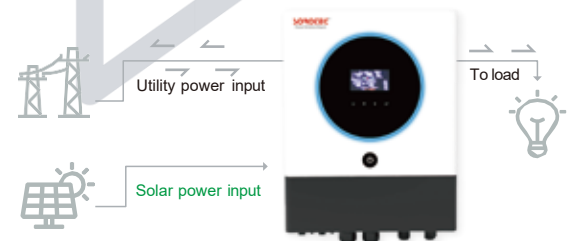
Easy access

Communication WiFi or bluetooth
Touchable button with large 5" colorful LCD

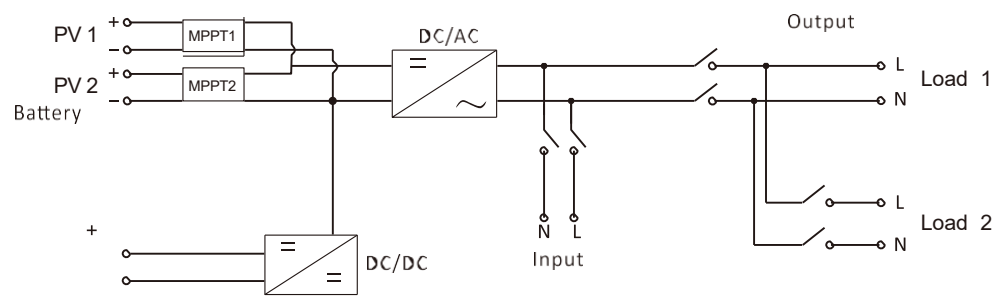
With battery connected



Without battery connected



Schematic diagram



Technical Specification	REVO VM IV series				
Rated Power(W)	4000VA/4000W	6000VA/6000W	6000VA/6000W	8000VA/8000W	11000VA/11000W
AC INPUT					
Nominal Voltage(VAC)	230VAC				
Voltage range(VAC)	170~280VAC / 90~280VAC				
Frequency range(Hz)	50/60Hz				
AC OUTPUT					
Surge power	8000	12000	16000	22000	
Output voltage(VAC)	220/230/240				
Output wave form	Pure sine wave				
Rated Frequency(Hz)	50/60				
Efficiency	93% max				
Transfer time	10ms typical(narrow range);20ms typical (wide range)				
BATTERY					
Nominal DC voltage(VDC)	24			48	
Floating charge voltage(VDC)	27			54	
Overcharge protection(VDC)	31			63	
Battery type	Lithium & Lead-acid				
SOLAR CHARGER & AC CHARGER					
Max.PV array open circuit voltage(VDC)				500	
Max.PV array power(W)	5000W	7000W	8000W (4000*2)	10000W(5000*2)	11000W(5500*2)
MPPT input voltage range@operating(VDC)	60- 450				
Max.input current(A)	27		15*2	27*2(Max 40A)	
Max.solar charging current(A)			120	150	
Max.AC charging current(A)		100		120	150
Max.charging current(A)			120	150	
DISPLAY INTERFACE					
Parallel function	up to 6 units				
Communication	Standard:RS232,CAN&RS485;Optional:WiFi,Bluetooth				
Display	5"colorful LCD				
ENVIRONMENT					
Humidity	5~90%RH (No Condensing)				
Operating Temperature	-10°C to 50°C				
Net Weight(KG)	9	10	15	18.8	20
Dimensions D x W x H(mm)	434*311*126.5		500*440*136	420*561.6*152.4	