

Key Features

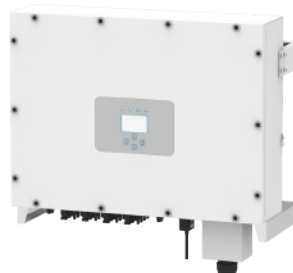
- ◆ Three Phase 127/220V ON Grid string inverter 10KW to 50KW
- ◆ Applicable to American and Central American market
- ◆ 200-800V PV range allows more flexible module selections
- ◆ Option zero export function by Limiter or energy meter to control excess power into grid
- ◆ Transformerless design with higher operation efficiency
- ◆ Firm IP65 inverter enclosure allows outdoor application
- ◆ Integrated RS485/RS232/WIFI/LAN communications , WIFI Plug option
- ◆ Limiter or energy meter option
- ◆ 2-4pcs MPP tracker, Max. efficiency up to 98.6%
- ◆ String intelligent monitoring and Ani-PID option function



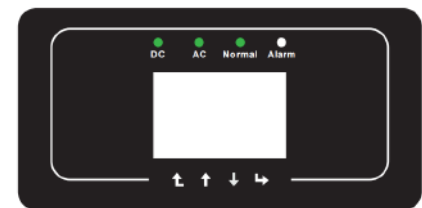
10-15K



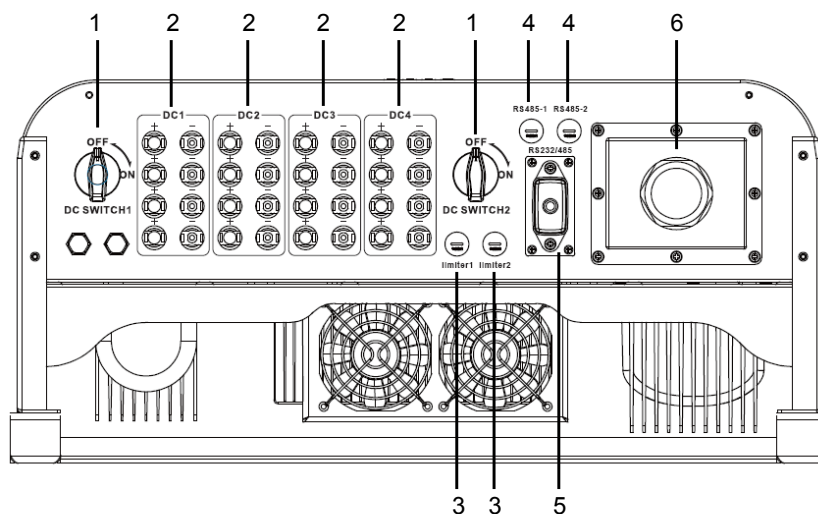
20-35K



40-50K

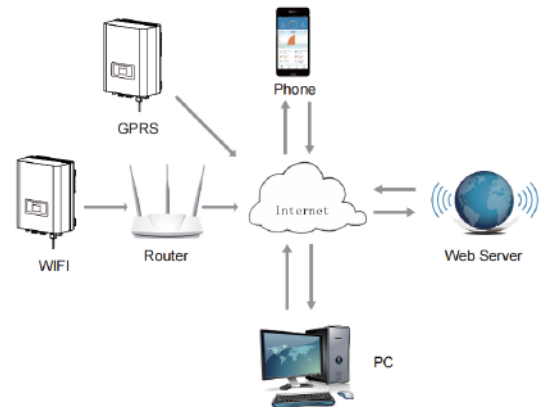


PV,Grid,Inverter,ON/OFF Status,Fault display
LCD Display operation button

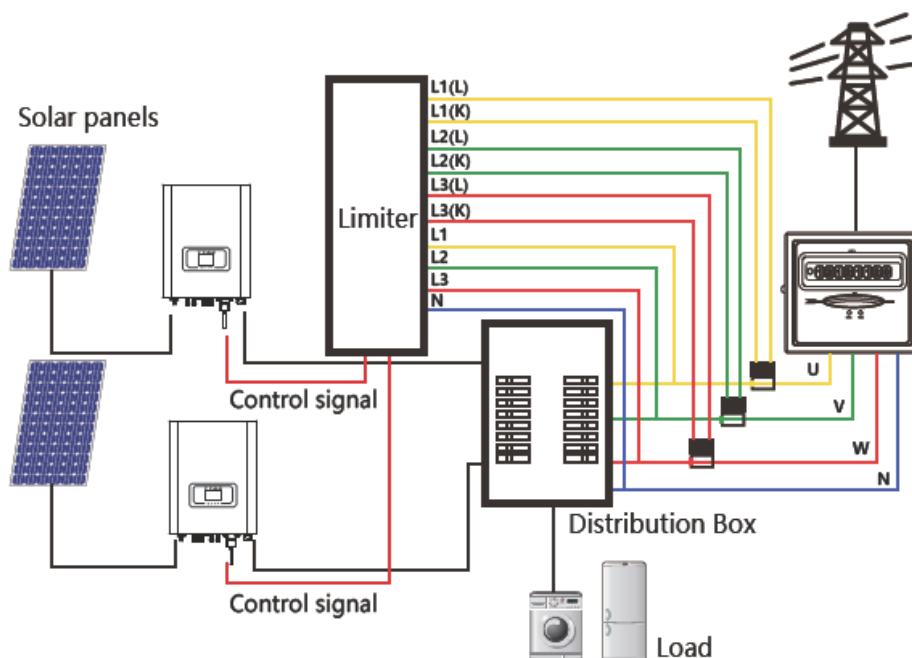


20-35K Bottom view

- 1.DC Switch 1/2
- 2.PV string input DC1/2/3/4
- 3.Limiter
- 4.RS485 1/2 Parallel
- 5.RS232/485 communications
- 6.Grid port



Internet monitoring solution



System Wiring Diagram , the Limiter is option

Technical Specifications

Model		10K-LV	12K-LV	15K-LV	20K-LV	25K-LV	30K-LV	35K-LV	40K-LV	45K-LV	50K-LV
Input Side	Max. DC Input Power (KW)	13	15.6	19.5	26	32.5	39	45.5	52	58.5	65
	Max. DC Input Voltage (V)	800									
	Start-up DC Input Voltage (V)	250									
	MPPT Operating Range (V)	200~700									
	Max. DC Input Current (A)	25+25	25+25	30+30	40+40	40+40+40	40+40+40+40				
	Number of MPPT / Strings per MPPT	2 / 2+2	2 / 2	2 / 3	2 / 3	3 / 3	4 / 3	4 / 3	4 / 4		
Output Side	Rated Output Power (KW)	10	12	15	20	25	30	35	40	45	50
	Max. Active Power (KW)	11	13.2	16.5	22	27.5	33	38.5	44	49.5	55
	Rated AC Grid Voltage (V)	127 / 220									
	AC Grid Voltage Range (V)	176Vac~242Vac (this may vary with grid standards)									
	Rated Grid Frequency (Hz)	60 / 50 (Optional)									
	Operating Phase	Three phase, L1+L2+L3+N+G									
	Rated AC Grid Output Current (A)	26.2	31.5	39.4	52.5	65.6	78.7	91.9	104.9	118.1	131.2
	Max. AC Output Current (A)	28.9	34.6	43.3	57.8	72.2	86.6	101.1	115.5	129.9	144.4
	Output Power Factor	0.8 leading to 0.8 lagging									
	Grid Current THD	<2%									
	DC Injection Current (mA)	<0.5%									
	Grid Frequency Range	57~62									
	Efficiency	Max. Efficiency	98.60%			98.70%			97.80%		
Euro Efficiency		97.80%			98%						
MPPT Efficiency		>99%									
Protection	DC Reverse-Polarity Protection	Yes									
	AC Short Circuit Protection	Yes									
	AC Output Overcurrent Protection	Yes									
	Output Overvoltage Protection	Yes									
	Insulation Resistance Protection	Yes									
	Ground Fault Monitoring	Yes									
	Anti-islanding Protection	Yes									
	Temperature Protection	Yes									
	Integrated DC Switch	Yes									
	Remote software upload	Yes									
	Remote change of operating parameters	Yes									
	Surge protection	DC Type II / AC Type II									
General Data	Size (mm)	400W×520H×240.5D			647.5W×537H×303.5D			700W×575H×297D			
	Weight (kg)	28			44.5			60			
	Topology	Transformerless									
	Internal Consumption	<1W (Night)									
	Running Temperature	-25~65℃									
	Ingress Protection	IP65									
	Noise Emission (Typical)	<45 dB							<55 dB		
	Cooling Concept	Smart cooling									
	Max. Operating Altitude Without Derating	2000m									
	Designed Lifetime	>20 years									
	Grid Connection Standard	EN50549, IEC61727, VDE 0126-1-1, IEC62109-1-2									
	Operating Surroundings Humidity	0-100%									
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-3										
Display	LED	PV / IGRID/INV ON/OFF status , Fault display									
	LCD	Energy KWH, Inverter IP VDC Amp , OP VAC HZ Amp ,temperature, PV strings MPPT voltage current, Load W, setup,statistics data ,Fault Code .									
Features	DC Connection	MC-4 mateable									
	AC Connection	IP65 rated plug									
	Display	LCD 240 × 160									
	Interface	RS485/RS232/Wifi/LAN									