

# Balcony Solar System





- Flexible installation methods; easy to install
- Smartly monitor the micro inverter and battery
- Automatically switch the working mode and control the system
- IP65 rated, suitable for outdoor installation

Models	SR1200	SR2000
INPUT DATA (FROM PV )		
Recommended PV Module Power (STC) Range	250Wp-550Wp+	250Wp-550Wp+
Number of connected PV modules	2	4
Max. input voltage	60V	
MPPT Voltage Range	16~60V	
Start-up Voltage	22V	
Max. input current	14A×2	16A×4
Max.short circuit PV	20A×2	25A×4
Number of MPPTs	2	
Number of inputs per MPPT	1	2
OUTPUT DATA (TO MICRO INVERTER)		
Micro inverter recommended power	400~1200W	1200~2000W
Max output power	1200W	2000W
Nominal output voltage range	16-60V	
OUTPUT DATA (TO BATTERY)		
Max output power	1200W	2000W
Max output current	25A	50A
INPUT DATA (FROM BATTERY)		
Nominal voltage	51.2V	
Max input current	25A	50A
Max input power	1200W	2000W
EFFICIENCY		
Output efficiency	97.20%	
MPPT efficiency	99.00%	
PROTECTION		
DC reverse polarity protection	Yes	
Over voltage protection	Yes	
Over current protection	Yes	
Short -circuit protection	Yes	
Over-heat protection	Yes	
DC surge protection	Type II	
GENERAL DATA		
Dimensions(W*H*D)	363*246*64mm	388*260*64mm
Weight	4.5kg	5.0kg
Operating temperature range	-25~45℃	
Enclosure rating	IP65	
Communication	WiFi	
Monitoring	YelonESS Cloud/APP	



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### Best Components

- A-grade LFP cell from first-class supplier
- BMS specially developed by Yelon

### Safe and Reliable

- 10-year warranty; 6000 cycles
- Fool-proof design and protection functions

### Remote Control and Monitor

- Check real-time status on APP
- Alert pops up if any problem occurs

### Compatible

- Work with most of the popular inverters

### Expandable

- 5.12-40.96kWh (8 modules)

### Easy to Install and Use

- Plug-in connection
- Minimum operation needed after first configuration

## PARAMETERS

Battery Type	LiFePO <sub>4</sub>
Battery Capacity [Ah]	100
Nominal Voltage [V]	51.2
Charging Cut-off Voltage [V]	57.6
Discharging End-of Voltage [V]	44.8
Recommended C Rate	0.5C
Recommended Charge/Discharge Current [A]	50
Max Charge/Discharge Current [A]	100
Peak Power Charge/Discharge Current [A]	200(15s)

## GENERAL

Net Weight [kg]	45
Dimension[W*D*H] [mm]	500×185×560
Charging Temp. Range [°C]	0~55
Discharging Temp. Range [°C]	-20~55
Communication	CAN/RS485
Cycle Life	> 6000
Protection Level	IP65
Cooling Method	Natural
Altitude [m]	≤4000
Scalability	Up to 8 units in parallel
Compatible Inverters	YELON, GOODWE, GROWATT, DEYE, SMA, VICTRON...
Certification & Safety Standard	CE/UN38.3/IEC62619

[1] Test conditions: 0.2C Charging/Discharging, @25°C, 80% DOD

[2] Outer casing color of battery can be customized





# MICRO INVERTER

# MV-2T



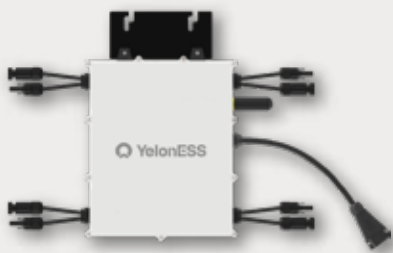
- APP Remote monitor and control enabled by inbuilt WiFi
- High efficiency with 95.5% CEC
- NEMA-6/IP-67 enclosure rating
- High continuous output power up to 580W AC, recommended for dual max 450W solar panel
- Easy to install: lightweight and minimum accessories needed. DIY possible
- Safety first: low voltage of 60V

Models	MV 600-1-2T	MV 800-1-2T	MV 1K0-1-2T
INPUT DATA(DC)			
Recommended PV Module Power (STC) Range	240W-410W+	330Wp-550Wp+	390Wp-680Wp+
Max. input voltage	65V		
MPPT Voltage Range	16~60V		
Start-up Voltage	22V		
Max. input current	13A×2	15A×2	17A×2
Max.short circuit PV	25A×2	25A×2	25A×2
Number of MPPTs	2		
Number of inputs per MPPT	1		
OUTPUT DATA(AC)			
Rated output power	600VA	800VA	1000VA
Rated output current	2.6A	3.5A	4.5A
Nominal output voltage/range	230/180-275V		
Nominal frequency voltage/range	50/45-55Hz		
Power Factor at Rated power/Adjustable power factor	>0.99(0.8 leading-0.8 lagging)		
THDi	<3%		
EFFICIENCY			
CEC peak efficiency	96.8%	96.8%	96.6%
Nominal MPPT efficiency	99.8%	99.8%	99.8%
GENERAL DATA			
Dimensions(W*H*D)	283*222*31mm		
Weight	3.1kg		
Topology	Transformerless		
Self consumption(night)	<50mW		
Operating temperature range	-40~65°C		
Enclosure rating	Outdoor-IP67 (NEMA 6)		
Cooling Method	Natural Convection		
Communication	WiFi/Zigbee		
Monitoring	YelonESS Cloud		



# MICRO INVERTER

# MV-4T



- APP Remote monitor and control enabled by inbuilt WiFi
- High efficiency with 95.5% CEC
- NEMA-6/IP-67 enclosure rating
- High continuous output power up to 580W AC, recommended for dual max 450W solar panel
- Easy to install: lightweight and minimum accessories needed. DIY possible
- Safety first: low voltage of 60V

Models	MV 1K3-1-4T	MV 1K6-1-4T	MV 2K0-1-4T
INPUT DATA(DC)			
Recommended PV Module Power (STC) Range	240W-460W+	330Wp-550Wp+	390Wp-680Wp+
Max. input voltage	65V		
MPPT Voltage Range	16~60V		
Start-up Voltage	22V		
Max. input current	13A×4	15A×4	17A×4
Max.short circuit PV	25A×4	25A×4	25A×4
Number of MPPTs	4		
Number of inputs per MPPT	1		
OUTPUT DATA(AC)			
Rated output power	1300VA	1600VA	2000VA
Rated output current	5.7A	7.0A	8.7A
Nominal output voltage/range	230/180-275V		
Nominal frequency voltage/range	50/45-55Hz		
Power Factor at Rated power/Adjustable power factor	>0.99(0.8 leading-0.8 lagging)		
THDi	<3%		
EFFICIENCY			
CEC peak efficiency	96.8%	96.5%	96.5%
Nominal MPPT efficiency	99.8%	99.8%	99.8%
GENERAL DATA			
Dimensions(W*H*D)	296*238*36mm		
Weight	4.2kg		
Topology	Transformerless		
Self consumption(night)	<50mW		
Operating temperature range	-40~65°C		
Enclosure rating	Outdoor-IP67 (NEMA 6)		
Cooling Method	Natural Convection		
Communication	WiFi/Zigbee		
Monitoring	YelonESS Cloud		

