PROJOY
PSOL Microinverter

PSOL-MS1600 PSOL-MS1800 PSOL-MS2000

Maximized Efficiency

Individual optimization, se-parate dedicated MPPT for each panel.

New topology design, max. efficiency up to 96.7%.

Flexibility

Plug & play installation, Easy to install.

Safety

Max. DC voltage 60V. No threat for high DC voltage.

Integrated LoM protection function. Ensure the safety of power grid.

Reliability

Die casting design and glue filling technology. Better thermal dissipation.

Standard 12 years warranty, Quality guaranteed.

CE VDE 0126 VDE 4105 EN 50549 INMETRO RD 1699 G 98

Projoy Electric Co., Ltd.

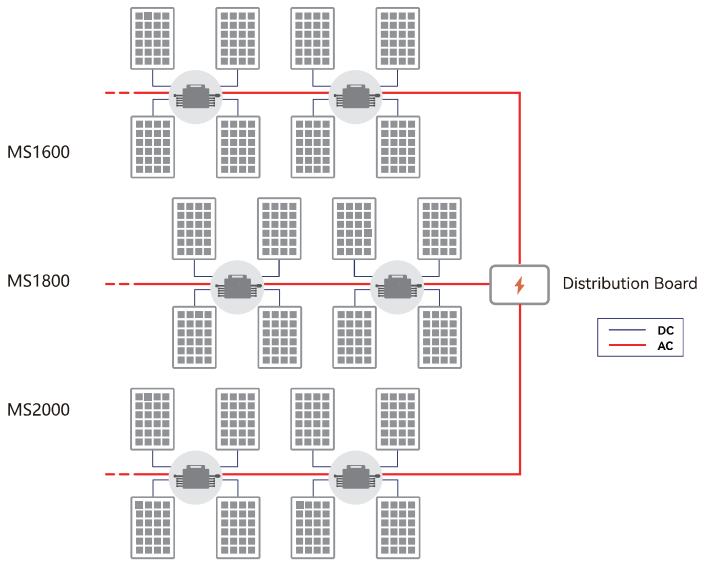
www.projoy-electric.com

Technical Data

Model	PSOL-MS1600	PSOL-MS1800	PSOL-MS2000
Input(DC)			
Recommended Module Power [W]	300-700+	300-700+	300-700+
Start up Voltage [V]	22	22	22
MPPT Voltage Range [V]	16-60	16-60	16-60
Max. Input Voltage [V]	60	60	60
Max. Input Current [A]	16	16	16
Max. Input Short-circuit Current[A]	20	20	20
Quantity of MPPT	4	4	4
Output [AC]			
Max. Continous Output Power [VA]	1600	1800	2000
Nominal Continous Output Power [W]	1600	1800	2000
Nominal Output Current [A]	7	7.8	8.7
Max. Output Current [A]	8	9	10
Nominal Output Voltage [V]	220/230/240, L/N/PE		
Nominal Frequency [Hz]	50/60		
Power Factor	>0.99 default, 0.8 leading … 0.8 lagging		
Output Current Harmonic Distortion	<3%		
Max. Units Per Branch	5	4	3
Efficiency			
Peak Inverter Efficiency	96.7%		
CEC Weighted Efficiency	96.5%		
Nominal MPPT Efficiency	99.9%		
EU Efficiency	96.3%		
Night Time Power Consumption [mW]	< 50		
Mechanical Data			
Dimensions [WxHxD mm]	331 * 261 * 44		
Weight [kg]	5.5		
Type of Enclosure	IP67		
Cooling	Natural Convection		
Environmental Data			
Operating Ambient Temperature Range [℃]	-40 ℃ to 65℃		
Operating Internal Temperature Range [℃]	-40 ℃ to 85℃		
Relative Humidity	0-100% condensing		
Max. Operating Altitude Without Derating [M]	2000		
Monitor	Integrated WiFi		

Protection	
Anti-Islanding protection	Integrated
Insulation monitoring	Integrated
AC surge protection	TYPE II
AC overcurrent protection	Integrated
AC short-circuit protection	Integrated
AC over/under voltage protection	Integrated
AC over/under frequency protection	Integrated
Over-heat protection	Integrated

Diagram



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