

# SP-1000 / 1260KTL

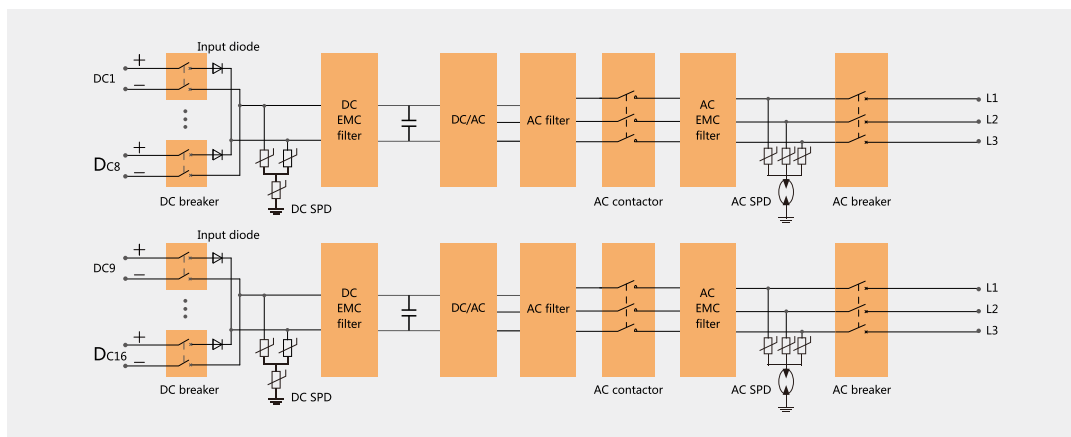
Megawatt Inverter Unit



## Features

- > Intergrated design, IP54 protection grade, easy to transport and install
- > Built-in two 500kW/630kW high efficiency inverters with complete power distribution, fire protection, monitoring facilities to meet fast and safe grid-connected requirements
- > Integrated DC power distribution and heat dissipation design, reduce the overall deployment costs
- > Dual power redundant supply scheme, improving system reliability
- > With ZVRT, anti-island, active and reactive power adjustment function etc

Circuit Diagram



# SP-1000 / 1260KTL

## Technical Data

### 1000KTL

### 1260KTL

#### Input (DC side)

Max. DC input power (kW)	1157	1410
Max. DC input voltage (Vdc)	1000	1000
MPPT voltage range (Vdc)	500~820	500~820
Start voltage (Vdc)	520	520
Number of inputs	16	16
Number of MPPT	2	2
Max. input current (A)	2400	2800

#### Output (AC side)

Rated output power (kW)	1000	1260
Max. output power (kW)	1100	1400
Rated output current (A)	1830	2310
Max. output current (A)	2016	2566
Rated AC voltage (Vac)	315	315
AC voltage range (Vac)	283~347	283~347
AC frequency range (Hz)	50±5	50±5
Power factor (cos $\phi$ )	0.9 (leading)~0.9(lagging)	0.9 (leading)~0.9(lagging)
THDI	<3%	<3%

#### Efficiency

Max. efficiency	98.6%	98.6%
Euro. efficiency	98.1%	98.2%
MPPT efficiency	99.9%	99.9%

#### Protections

Built-in Protections	DC Reverse Polarity, Short Circuit, Output Over Current, Output Over Voltage, Insulation Resistance Monitoring, Residual Current Detection, Surge Protection, Anti-Island Protection, Over Temperature Protection	
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#### General Data

Operating temperature (°C)	-35~+55	-35~+55
Noise [dB(A)]	≤65	≤65
Night power consumption (W)	<200	<200
Electrical isolation	Transformerless	Transformerless
Cooling concept	Forced air cooling	Forced air cooling
Protection grade	IP54	IP54
Communication port	RS485	RS485
Dimension (W*D*H mm)	2440*1750*2400	3500*3000*2700
Weight (kg)	7200	7700

\*AC grid voltage range and frequency range depend on local standards.

Shenzhen JingFuYuan Tech Co., Ltd

Hotline: 400 6364 006 Tel: +86-755-8179 5460/2663 2536 FAX: +86-755-2650 5986 Email: support@jfy-tech.com