

Three-Phase String Inverters KSY 15KW-25KW

Innovation

Concentration

Intelligent

Profitable





FEATURES

Components from world class suppliers

Automotive class PCB technology

Optimized thermal design

Silicone Rubber Gaskets & Seals

Integrated enclosere design

Integrated air valve

1000 hours of neutral salt spray testing

User friendly interface

Intelligent monitoring system

ADVANTAGES

Longer MTBF (Mean Time Between Failures)

Higher quality guaranteed

Lower heat generation Faster heat dissipation

High performance sealing

High performance sealing possible Less chance of moisture invasion

Reduction of condensation

Sutaible for harsh environments

Easy to operate

Easy to manage and maintain

BENEFITS

More electricity output Less down time

Higher quality guaranteed

Realiable and stable under severe conditions

Lower internal operation temperature Longer component life

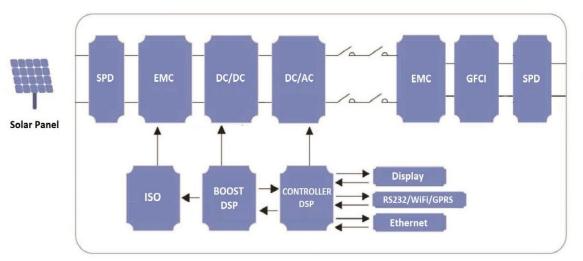
Suitable for humid operation environments

Operationable in more applications: fishing ponds, agricultural area, greenhouses, coastal areas

Easy installion and maintenance possible

Data analysis Less maintenance

CIRCUIT DIAGRAM







Three-Phase String InvertersKSY 15KW-25KW

TECHNICAL DATA

Model	KSY-15KW	KSY-18KW	KSY-20KW	KSY-25KW
Input (DC)				
Nominal Input Power (KW)	15	18	20	25
Max. Peak DC Input Power (KW)	17.5	20	22	28
Max. DC I/P (V dc)	1000V DC			
Max. MPPT I/P Current(A)	20A			
MPPT Short Circuit Current(A)	26Amps.			
MPPT Tracking Voltage(Vdc)	200-1000V			
Min. Start/Shut down (V)	25	50VDC/ 150VDC(lov	w) & 1000 VDC(Hig	h)
Number of MPPT Tracker	2			
strings per MPPT Trackers		2	2	
Output (AC)				
Nominal output power (KW)	15	18	20	25
Max Peak Output Power (KW)	16.5	19	21	26
Nominal Grid Voltage (V)		320-470V U	ser Defined	
Nominal Grid freq.(Hz)	47-55 HZ Auto Selection			
Max. output current AC(A)	22	27	29	36
AC Connection (With PE)	3P + N + E			
THD (%)	<2.3%			
Power factor(%)	>99.99%(User Defined from 0.85 to 0.99)			
Efficiency				
Max. conversion eff. (%)	99	99	98.7	98.7
Max. Euro Efficiency(%)	98.5	98.5	98.2	98.2
	36.3	>9:		36.2
Max. MPPT Eficiency (%) Standards, Safety & Protections		>9:	970	
Protection & Safety	DC Reverse Polarity, DC High/Low/Over Current Protection, DC/AC Side SPD, Thermal Protection, GDT, Static ELCB/RCCB,User Define Grid Monitoring Setting & Anti Islanding			
				er Define Grid
SPD			g & Anti Islanding	er Define Grid
SPD MPPT Efficiency		Monitoring Settin	g & Anti Islanding With GDT	er Define Grid
CAMPACA CAMPAC		Monitoring Settin Type-3 SPD	g & Anti Islanding With GDT 0530	er Define Grid
MPPT Efficiency		Monitoring Settin Type-3 SPE EN 5	g & Anti Islanding D With GDT 0530 1685	er Define Grid
MPPT Efficiency Inverter Efficiency	þ/	Monitoring Settin Type-3 SPE EN 5 IEC 6 1(According t	g & Anti Islanding D With GDT 0530 1685 to IEC 62103) Iding to IEC 62109-	
MPPT Efficiency Inverter Efficiency Protection Class	Pi	Monitoring Settin Type-3 SPE EN 5 IEC 6 1(According t VII / Mains II (Accor	g & Anti Islanding 0 With GDT 0530 1685 to IEC 62103) rding to IEC 62109-	
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MPPT Efficiency Inverter Efficiency Protection Class Over Voltage Category Safety Standard EMC Standard Emnvironment Protection Product Safty for relay Anti-Islanding Ingress Protection Physical Parameters Dimensions(WXHXD) mm Weight (Kg) General Data Operating Temperature Design Life Night Con. (W)/Noise Level Heat Dissipation RH/Max. Altitude		Monitoring Settin Type-3 SPE EN 5: IEC 6 1(According to VII / Mains II (According to VII / Mains II (Ac	g & Anti Islanding D With GDT D530 1685 To IEC 62103) Iding to IEC 62109- D9-1&2 6-1/2/3/4 2-1/2/14/15 5-27:2013 2116 To to IEC 60529) D0 X 220 2 Ilus 60 Degree 5 years <25dB Drivection <2000 without pow	1)
MPPT Efficiency Inverter Efficiency Protection Class Over Voltage Category Safety Standard EMC Standard Emnvironment Protection Product Safty for relay Anti-Islanding Ingress Protection Physical Parameters Dimensions(WXHXD) mm Weight (Kg) General Data Operating Temperature Design Life Night Con. (W)/Noise Level Heat Dissipation RH/Max. Altitude Display		Monitoring Settin Type-3 SPE EN 5: IEC 6 1(According to VII / Mains II (According to VII / Mains II (Ac	g & Anti Islanding D With GDT D530 1685 To IEC 62103) Iding to IEC 62109- D9-1&2 6-1/2/3/4 2-1/2/14/15 5-27:2013 2116 To to IEC 60529) D0 X 220 2 Ilus 60 Degree 5 years <25dB Dnvection <2000 without pow	1)
MPPT Efficiency Inverter Efficiency Protection Class Over Voltage Category Safety Standard EMC Standard Emnvironment Protection Product Safty for relay Anti-Islanding Ingress Protection Physical Parameters Dimensions(WXHXD) mm Weight (Kg) General Data Operating Temperature Design Life Night Con. (W)/Noise Level Heat Dissipation RH/Max. Altitude Display DC /AC Connectors	0% to 98%.	Monitoring Settin Type-3 SPE EN 5: IEC 6 1(According to the second secon	g & Anti Islanding D With GDT D530 1685 Co IEC 62103) ding to IEC 62109- 09-1&2 6-1/2/3/4 2-1/2/14/15 5-27:2013 2116 Co to IEC 60529) D0 X 220 2 lus 60 Degree 5 years <25dB Convection <2000 without pow CD Display	1) ver derating
MPPT Efficiency Inverter Efficiency Protection Class Over Voltage Category Safety Standard EMC Standard Emnvironment Protection Product Safty for relay Anti-Islanding Ingress Protection Physical Parameters Dimensions(WXHXD) mm Weight (Kg) General Data Operating Temperature Design Life Night Con. (W)/Noise Level Heat Dissipation RH/Max. Altitude Display	0% to 98%.	Monitoring Settin Type-3 SPE EN 5: IEC 6 1(According to VII / Mains II (According to VII / Mains II (Ac	g & Anti Islanding D With GDT D530 1685 To IEC 62103) Iding to IEC 62109- D9-1&2 6-1/2/3/4 2-1/2/14/15 5-27:2013 2116 To to IEC 60529) D0 X 220 2 Ilus 60 Degree 5 years <25dB Dnivection <2000 without pow CD Display D65 Plug ViFi/GPRS/ETHERNI	rer derating

Web Monitoring

The KSolare monitoring System is based on , cloud computing, and other new technologies for PV system, from the various device (RS-485, wifi, GPRS) the data is transmitted to remote service platform for data storage & analysis which is displayed in various visual & graphical formats on Web-App & big screen display also for bigger platform it can be customized as per customer request.





