

	Three Phase							
Model (KSY) (KW)	4	5	6	7	8	10	12	15
<b>Input (DC)</b>								
Max Peak DC Input Power (KW)	5.2	6.5	7.8	9.1	10.4	12	15.6	16.5
Max. DC I/P (V dc)	1000 VDC							1000 VDC
Max. MPPT I/P Current(A)	10A*2					11A+22A		10/20A
MPPT Short Circuit Current(A)	10A+10A					10A+20A		22A
MPPT Tracking Voltage(Vdc)	200-850V							200-850V
Min. Start Voltage(V)	250 VDC							250 VDC
Number of MPPT Tracker	2							2
strings per MPPT Trackers	1					2/1		2
<b>Output (AC)</b>								
Rated output power (KW)	4	5	6	7	8	10	12	15
Rated Grid Voltage(V)	400 VAC							400Vac
Nominal Grid freq.(Hz)	50Hz							50 Hz
Max. output current AC(A )	6.4	7.2	8.7	10.1	11.6	14.5	17.4	21.17
AC Connection (With PE)	3P + N + E							3P + N + E
THD (%)	<5%							<5%
Output Power factor(%)	>0.99%							>0.99%
<b>Efficiency</b>								
Max. conversion eff. (%)	98%							97
Max. Euro Efficiency(%)	97.50%							98.5
Max. MPPT Efficiency (%)	>99%							>99%
<b>Physical Parameters</b>								
Dimensions(LXWXH) mm	453.39x385x177.13							520x400x240
Weight (Kg)	18							18
Enclosure Color	PANTONE Cool Grey 3 C							Panton cool grey 3C
Color Thickness	100-250μ (micron)							100-250μ (Micron)
<b>General Data</b>								
Operating Temperature	- 25 ° to + 60°							- 25 ° to + 60°
Operating Surrounding Humidity	0-100%							0-100%
Design Life	Over 25 years							Over 25 years
Night Con. (W)/Noise Level	<1W/<30dB							<1W/<30dB
Heat Dissipation	Natural Convection				intelligent Forced Cooling + Natural Convection			
RH/Max. Altitude	0% to 98%. No Condensation/<2000 without power derating							0% to 98%. No Condensation/<2000 without power derating
Display	Graphical -LED with LCD Display							Graphical -LED with LCD Display
DC /AC Connectors (IP-65)	MC-4							MC-4
Communication interface	WiFi/GPRS/RS 485/RS 232/ETHERNET LAN/ Local Monitoring							WiFi/GPRS/RS 485/RS 232/ETHERNET LAN/ Local Monitoring
Standard Warranty	5 Years ( extendable upto 10 Year)							5/ 7 Years upto 10 Years extendable
<b>Standards, Safety &amp; Protections</b>								
DC Switch	Including				Including			
SPD (surge Protection Device)	Type-3 SPD With GDT/optional				Type-3 SPD With GDT			
MPPT Efficiency	IEC 61683				IEC 61683			
Inverter Efficiency	IEC 61683				IEC 61683			
Over Voltage Category	IEC 62109-1				IEC 62109-1			
Safety Standard	IEC 62109-1&2				IEC 62109-1&2			
EMC Standard	IEC61000-6-1/2/3/4				IEC61000-6-1/2/3/4			
Environment Protection	IEC 60068-2-1/2/14/15				IEC 60068-2-1/2/14/15			
Anti-Islanding	IEC-62116				IEC-62116			
Ingress Protection	IP 65				IP 65			
Protection & Safety	PV Lightning,DC input short circuit,DC O/V & U/V,Insulation Resistance detection,RCCB/ELCB, Output Over /Under voltage,Output Over current, Output Over/Under frequency, Over temperature,GDI for input & Output, SPD as per requirement Type-1&2, AC output PF control,AC output power control by using external limiter for zero export protection,Defined remote Grid monitoring setting & Anti-Islanding.							

Three Phase													
Model (KSY) (KW)	18	20	25	25	33	35	40	50	60	70	75	80	100
<b>Input (DC)</b>													
Max Peak DC Input Power (KW)	20	22	27.5	27.5	36	38.5	44	55	66	77	82.5	88	100
Max. DC I/P (V dc)	1000 VDC				1000 VDC								
Max. MPPT I/P Current(A)	20A		28.5A		28.5A			34A		34A			
MPPT Short Circuit Current(A)	26A	28.9A	36.12A	36.12A	37 Amps								
MPPT Tracking Voltage(Vdc)	200-850V				200-1000V								
Min. Start Voltage(V)	250 VDC				250 VDC								
Number of MPPT Tracker	2				2		3		3/4		4		
strings per MPPT Trackers	2		3		3		3/4		3		3/4		4
<b>Output (AC)</b>													
Rated output power (KW)	18	20	25	25	33	35	40	50	60	70	75	80	80
Rated Grid Voltage(V)	400Vac				400Vac								
Nominal Grid freq.(Hz)	50 Hz				50Hz								
Max. output current AC(A )	26.1	29	36.2	36.2	47.8	50.7	58	72.4	87	101.4	108.7	115.9	144.5
AC Connection (With PE)	3P + N + E				3P + N + E				3P + N + E				
THD (%)	<5%				<5%				<5%				
Output Power factor(%)	>0.99%				>0.99%				>0.99%				
<b>Efficiency</b>													
Max. conversion eff. (%)	97	97	97	97	97	97	97	97	97	97	97	97	97
Max. Euro Efficiency(%)	98.5	98.2	98.2	98.2	98.2	98.2	98.1	98.2	98.2	98.2	98.2	98.2	98.2
Max. MPPT Efficiency (%)	>99%				>99%				>99%				
<b>Physical Parameters</b>													
Dimensions(LXWXH) mm	520x400x240				485x630x270				520x700x270				
Weight (Kg)	31				38		68		68		80		
Enclosure Color	Pantone cool grey 3C				PANTONE Cool Grey 3 C				PANTONE Cool Grey 3 C				
Color Thickness	100-250µ (Micron)				100-250 µ (micron)				100-250 µ (micron)				
<b>General Data</b>													
Operating Temperature	- 25 ° to + 60°				- 25 ° to + 60°				- 25 ° to + 60°				
Operating Surrounding Humidity	0-100%				0-100%				0-100%				
Design Life	Over 25 years				Over 25 years				Over 25 years				
Night Con. (W)/Noise Level	<1W/<30dB				<1W/<30dB				<1W/<30dB				
Heat Dissipation	intelligent Forced Cooling + Natural Convection												
RH/Max. Altitude	0% to 98%. No Condensation/<2000 without power derating												
Display	Graphical -LED with LCD Display												
DC /AC Connectors (IP-65)	MC-4				MC4/H4/TB								
Communication interface	WiFi/GPRS/RS 485/RS 232/ETHERNET LAN/ Local Monitoring												
Standard Warranty	7 Years upto 10 Years extendable												
<b>Standards, Safety &amp; Protections</b>													
DC Switch	Including												
SPD (surge Protection Device)	Type-3 SPD With GDT						Type-2 / Type-3 SPD / GDT						
MPPT Efficiency	IEC 61683												
Inverter Efficiency	IEC 61683												
Over Voltage Category	IEC 62109-1												
Safety Standard	IEC 62109-1&2												
EMC Standard	IEC61000-6-1/2/3/4												
Emnvironment Protection	IEC 60068-2-1/2/14/15												
Anti-Islanding	IEC-62116												
Ingress Protection	IP 65												
Protection & Safety	PV Lightning,DC input short circuit,DC O/V & U/V,Insulation Resistance detection,RCCB/ELCB, Output Over /Under voltage,Output Over current, Output Over/Under frequency, Over temerature,GDI for input & Output, SPD as per requirement Type-1&2, AC output PF control,AC output power control by using external limiter for zero export protection,Defined remote Grid monitoring setting & Anti-Islanding.												