

		Three Phase																																					
Model (KSY) (KW)	5	6	7	8	10	12	12	15	18	20	25	25	33	35	40	50	60	70	75	80	100	100	110																
Input (DC) (Note : We can provide DC overloading from 10% up to 30% max)																																							
Max Peak DC Input Power (KW)	6	7.2	8.4	9.6	12	13.2	14.4	18	20	24	27.5	30	36	38.5	48	60	72	77	90	96	100	120	132																
Max. DC I/P (V dc)	1000 VDC						1000 VDC						1000 VDC																										
Max. MPPT I/P Current(A)	12.5A						12.5A+ 25A			25A			28.5A			28.5A						40A																	
MPPT Short Circuit Current(A)	18A						18/36A			36A			40A			57A																							
MPPT Tracking Voltage(Vdc)	250-850V												250-850V																										
Min. Start Voltage(V)	250VDC																																						
Number of MPPT Tracker strings per MPPT Trackers	2						2						3			3/4			4						6			6											
	1						2/1			2			3			3			3/4			3			3/4						4			4			4		
Output (AC)																																							
Rated output power (KW)	5	6	7	8	10	12	12	15	18	20	25	25	33	35	40	50	60	70	75	80	100	100	110																
Rated Grid Voltage(V)	400V																																						
Nominal Grid freq.(Hz)	50Hz																																						
Max. output current AC(A)	7.2	8.7	10.1	11.6	14.5	17.4	17.4	21.7	26	29	36.2	36.2	47.8	50.7	58	72.4	87	101.4	108.7	115.9	144.5	144.5	159																
AC Connectio (With PE)	3P + N + E																																						
THDI (%)	2.5-5%												<3%																										
Output Power factor(%)	>0.99%																																						
Efficiency																																							
Max. conversion eff. (%)	97																																						
Max. Euro Efficiency(%)	97.5												98.5																										
Max. MPPT Efficiency (%)	>99												>99																										
Physical Parameters																																							
Dimensions(LXHXW) mm	385x453.39x177.13						380x435 x190			400x520x240			485x630x270			520x700x270			577x838x323			577x838x323																	
Weight (Kg)	18						18			31			38			68			80			83																	
Enclosure Color	PANTONE Cool Grey 3 C																																						
Color Thickness	100-250μ(micron)																																						
General Data																																							
Operating Temperature	- 25 ° to + 60°																																						
Operating Surrounding Humidity	0-100%																																						
Design Life	Over 25 years																																						
Night Con. (W)/Noise Level	<1W/<30dB																																						
Heat Dissipation	Natural Convection						intelligent Forced Cooling + Natural Convection																																
RH/Max. Altitude	0% to 98%. No Condensatio /<2000 without power derang																																						
Display	Graphical -LED with LCD Display																																						
DC /AC Connectors (IP-65)	MC-4																																						
Communication interface	WiFi/GPRS/RS 485/RS 232/ETHERNET LAN/ Local Monitoring																																						
Standard Warranty	5, 7 Years (extendable upto 10 Year)												7 Years (extendable upto 10 Year)																										
Standards, Safety & Protectons																																							
DC Switch	Inbuilt																																						
SPD (surge Protection Device)	Type-3 SPD (With GDT optional)												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																																						
Environment Protection	IEC 60068-2-1/2/14/15																																						
Anti-Islanding	IEC-62116																																						
Ingress Protection	(applicable for outdoor installation but not allowed for direct exposure of water) IP65																																						
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, GDT (optional) , SPD as per requirement Type-2&3, AC output PF control, AC output power control by using external limiter for zero export protection,Defined remote Grid monitoring setting & Anti-Islanding.																																						