

	Three Phase													
Model (KSY) (KW)	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)	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										
Max. MPPT I/P Current(A)	25A		28.5A	28.5A				40A						
MPPT Short Circuit Current(A)	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			3		3/4	3				4		6	6
	2	3	3	3/4	3	3/4		4	4	4	4	4	4	
Output (AC)														
Rated output power (KW)	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)	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(%)	98.5													
Max. MPPT Efficiency (%)	>99													
Physical Parameters														
Dimensions(LXHXW) mm	400x520x240			485x630x270				520x700x270			577x838x323	577x838x323		
Weight (Kg)	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 Dissipati n	intelligent Forced Cooling + Natural Convection													
RH/Max. Altitude	0% to 98%. No Condensatio /<2000 without power deraang													
Display	Graphical -LED with LCD Display													
DC /AC Connectors (IP-65)	MC-4													
Communicaton interface	WiFi/GPRS/RS 485/RS 232/ETHERNET LAN/ Local Monitoring													
Standard Warranty	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													
Emnvironment 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 temerature, 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.													