

	Single Phase					
Model (KSY) (KW)	1	2	3	4	5	6
Input (DC) (Note : We can provide DC overloading from 10% up to 30% max)						
Max Peak DC Input Power (KW)	1.2	2.2	3.3	4.4	5.5	6.6
Max. DC I/P (V dc)	500V DC			500/600V DC		
Max. MPPT I/P Current(A)	12.5A					
MPPT Short Circuit Current(A)	18A					
MPPT Tracking Voltage(Vdc)	100-450V					
Min. Start Voltage(V)	100/120V					
Number of MPPT Tracker	1			2		
strings per MPPT Trackers	1					
Output (AC)						
Rated output power (KW)	1	2	3	4	5	6
Rated Grid Voltage(V)	230V					
Nominal Grid freq.(Hz)	50Hz					
Max. output current AC(A)	4.37	8.69	13	17.4	21.7	26
AC Connection (With PE)	P + N + E					
THDI (%)	2.5-5%					
Output Power factor(%)	>0.99%					
Efficiency						
Max. conversion eff. (%)	97					
Max. Euro Efficiency(%)	97					
Max. MPPT Efficiency (%)	>99%					
Physical Parameters						
Dimensions(LXHXW) mm	310x330x115			310x330x172		
Weight (Kg)	6			11		
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	<0.2/<30dB					
Heat Dissipation	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					
Communication interface	WiFi/GPRS/RS 485/RS 232/ETHERNET LAN					
Standard Warranty	5 Years (extendable upto 10 Year)					
Standards, Safety & Protections						
DC Switch	Optional					
SPD (surge Protection Device)	Type - 3 SPD (With GDT optional)					
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	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, 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.					