

	Single Phase											
Model (KSY) (KW)	2.2	2.3	3.2	3.3	3.6	3.8	4	4.2	4.6	5.2	5.3	6.2
<b>Input (DC) (Note : We can provide DC overloading from 10% up to 30% max )</b>												
Max Peak DC Input Power (KW)	2.4	2.53	3.2	3.3	3.9	3.9	4	4.6	5.06	5.7	5.83	6.6
Max. DC I/P (V dc)	500V DC			500/550/600V DC								
Max. MPPT I/P Current(A)	12.5A				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						1	2				
strings per MPPT Trackers	1											
<b>Output (AC)</b>												
Rated output power (KW)	2.2	2.3	3.2	3.3	3.6	3.8	4	4.2	4.6	5.2	5.3	6
Rated Grid Voltage(V)	230V											
Nominal Grid freq.(Hz)	50Hz											
Max. output current AC(A )	9.6	10	13.9	14.3	15.6	16.5	17.4	18.3	20	22.6	23	26
AC Connection (With PE)	P + N + E											
THDI (%)	2.5-5%											
Output Power factor(%)	>0.99%											
<b>Efficiency</b>												
Max. conversion eff. (%)	97											
Max. Euro Efficiency(%)	97											
Max. MPPT Efficiency (%)	>99											
<b>Physical Parameters</b>												
Dimensions(LXHXW) mm	310x330x115				310x330x172							
Weight (Kg)	6				11							
Enclosure Color	PANTONE Cool Grey 3 C											
Color Thickness	100-250μ(micron)											
<b>General Data</b>												
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 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											
Standard Warranty	5 Years ( extendable upto 10 Year)											
<b>Standards, Safety &amp; Protections</b>												
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											
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, Outpur 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.											