



Inbuilt AC/DC SPD's with DC fuse (Mega) etc..



Suitable for high watt peak panels Mono Perc, TOPCon & Bifacial.



IP65 & IP66 Dynamic intelligent cooling & String level monitoring.



100% Inhouse R&D, Production & testing Facility at Pune.



Individual String Level Monitoring RMS Available

60KW-125KW Three Phase

DATASHEET



	5G Mega+		5G Mega		5G Mega+		
	KSY60kW	KSY70kW	KSY75kW	KSY80kW	KSY100kW	KSY110kW	KSY125kW
Input (DC)							
Max. Input Power	78kW	84kW	90kW	96kW	130kW	143kW	162.5kW
Max. Input Voltage	1100V						
Start Voltage	250V						
Rated Input Voltage	600V				620V		
Full-load MPPT Voltage Range	530V ~ 850V						
MPPT Voltage Range	200V ~ 1000V				180V ~ 1000V		
Number of MPPT Trackers	4				8		9
Number of string per MPPT	3 / 3 / 3 / 3	4 / 3 / 3 / 4			2		
Max. Short Circuit Current per MPPT	39A	48A & 36A			40A		
Max. Short Circuit Current per MPPT	48A	60A & 45A			50A		
Output (AC)							
Max. Output Current	86.70A	101.1A	108.3A	115.60A	158.8A	174.6A	180.63A
Rated Output Power	60kW	70kW	75kW	80kW	100kW	110kW	125kW
Max. Output Power	66kW	77kW	82.5kW	88kW	110kW	121kW	137.5kW
Rated Grid Frequency	50Hz / 60Hz						
Rated Grid Voltage	230Vac / 400/415Vac, 3L / N / PE, 3L / PE						
Power Factor	>0.99 (0.8 leading ~ 0.8 lagging)						
THDi	<3% (Rated Power)						
Efficiency							
Max. Efficiency	98.70%						
European Efficiency	98.50%						
MPPT Efficiency	99.90%						
Protection							
DC reverse polarity protection	Yes						
Anti-islanding protection	Yes						
AC short circuit protection	Yes						
Residual current monitoring unit	Yes						
Insulation resistance monitoring	Yes						
Ground fault monitoring	Yes						
Grid monitoring	Yes						
PV string monitoring	Yes						
Surge protection	Type II						
AFCI protection	Optional						
Communication							
Display	LCD / LED+APP		LED+APP		LCD / LED+APP		
Communication	Standar : RS485 WiFi / GPRS						
Standard Compliance							
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC/EN 61000-6-2/4, IEC61727/IEC62116,						
General Data							
Dimensions (W x H x D)	650x450x 260 mm		705x650x285 mm		1040x670x350mm		
Weight	50kg		75kg		101Kg		
Operating Temperature Range	-30°C ~ +60°C						
Cooling Method	Smart forced air cooling						
Protection Degree	IP66						
Max. Operating Altitude	4000m						
Relative Humidity	0 ~ 100%						
Topology	Transformerless						
Night Power Consumption	<1W						

Address:

Sr.No. 3, KSolare Technology Park, 7/B/1/4, opp. Hotel Royal Sahyadri, near Poonam petrol pump, Mangdewadi, Pune, Maharashtra 411046

Enquiry Email: Sales@ksolare.com, Service Email: service@ksolare.com, Contact: 8530111222

	KSY30kW-3P
Input (DC)	
Max. Input Voltage	1000V
Start Voltage	160V
MPPT Voltage Range	600V
Rated Input Voltage	140V - 1000V
Number of MPP Trackers	3
String per MPPT	2 / 1 / 2
Max. Current per MPPT	40A / 20A / 40A
Max. Short Circuit Current per MPPT	50A / 25A / 50A
Output (AC)	
Rated Output Power	30kW
Max. Output Power	33kVA
Max. Output Current	50A
Rated Grid Voltage	230/400
Rated Grid Frequency	50/60
Power Factor	>0.99 (0.8 leading ~ 0.8 lagging)
THDi (@Rated Power)	< 3%
Efficiency	
Max. Efficiency	98.70%
European Efficiency	98.30%
Protection	
DC Reverse Polarity Protection	Yes
Anti-islanding Protection	Yes
AC Short Circuit Protection	Yes
Residual Current Monitoring Unit	Yes
Insulation Resistance Monitoring	Yes
Ground Fault Monitoring	Yes
Grid Monitoring	Yes
PV string monitoring	Optional
Surge Protection	Type
AFCI Protection	Optional
PID Recovery	Optional
Communication	
Display	LED/LCD Optional
Communication	RS485 / WIFI / 4G / Bluetooth
General Data	
Dimensions (W x H x D)	481 x 395 x 215 mm
Weight	24kg
Operating Temperature Range	-30 ~ +60
Cooling Method	Smart forced air cooling
Protection Degree	IP66
Max. Operating Altitude	4000m
Relative Humidity	0~100%
Topology	Transformerless
Night Power Consumption	<1W
Noise	45dB