

DATASHEET

5G MEGA PLUS - 3 PHASE

	KSY 30kW	KSY 33kW	KSY 40kW	KSY 44kW	KSY 50kW	KSY 56kW	KSY 65kW	KSY 78kW	KSY 84kW	KSY 84kW	KSY 90kW	KSY 96kW	KSY 130kW	KSY 130kW	KSY 143kW	
Input (DC)																
Max Input Power	39kW	42.9kW	44kW	44kW	50kW	56kW	65kW	78kW	84kW	84kW	90kW	96kW	130kW	130kW	143kW	
Max. Input Voltage	1000V															
Start Voltage	200V															
Rated Input Voltage	600V					620V										
Full-Load MPPT Voltage Range	420V-800V					550V - 850V										
MPPT Voltage Range	200V - 1000V															
Number of MPPT Tracker	3			4			4			6			8		9	
Number of String per MPPT	2/2			2			3			2			2		2	
Max Current per MPPT	40A/20A/40A			40A			40A		39A		39A		40A		40A	
Max. Short Circuit Current per MPPT	60A/30A/60A			50A			50A		48A		48A		50A		50A	
Output (AC)																
Max. Output Current	43.35A	47.68A	57.8A	57.8A	72.25A	86.70A	72.25A	86.70A	101.15A	101.15A	108.38A	115.80A	144.80A	158.95A	180.63A	
Rated Output Power	30kW	33kW	40kW	40kW	50kW	56kW	65kW	78kW	84kW	84kW	90kW	96kW	130kW	130kW	143kW	
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	98.10%															
European Efficiency	98.05%															
MPPT Efficiency	99.50%															
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															
Surge Protection	Type II															
AFCI Protection	Optional															
Communication																
Display	LCD/LED-APP															
Communication	Standard: RS485 / WIFI / GPRS															
Standard Compliance																
Certification	*IEC/EN/EN 62109-1/2, IEC/EN 61000-6-2/4, IEC 60068-2-1, 2-2, 2-14, 2-30, IEC 61683, IEC 60529, IEC61727 / IEC62116															
General Data																
Dimensions (WxHxD)	481x395x195mm			594x485x243mm			650x500x260mm			780x582x 334mm			1040x670x350mm			
Weight	22Kg			32Kg			51Kg			78Kg			93Kg			
Operating Temperature Range	-30°C - +60°C															
Cooling Method	Smart Forced Air Cooling															
Protection Degree	IP65/66															
Max. Operating Attitude	≤4000m															
Relative Humidity	0-100%															
Topology	Transformer less															
*Night Power Consumption	<1W															
Standard Warranty	10 Years															

*Note - All Specification are Subject to Change Without Notice Due to Continuous Upgradation in Modules Wp Capacity