

Technical Specifications - ST POWER Series

Packing.KVA	10	20	30	40	50	60	80	100	120	160	200
Input											
AC Input	415V+15%-15% Three Phase Input										
Frequency	50Hz + 6%										
DC Voltage	360V DC										
Charging Time	12 Hours for 90% of full Capacity										
Charger Type	CVCC 6 Pulse Controlled Rectifier type										
Inverter											
Technology	IGBT Double Conversion										
Output Voltage	400/415 VAC three Phase										
Frequency	50Hz+0.1Hz										
Voltage Regulation	+1% for DC Input Variation and Output Load Variation										
Wave form	PWM Sine wave										
Harmonic Distortion	Less than 3%										
Inverter Efficiency	>92%										
Power Factor	0.8										
Overload	150% for 60 Sec										
Crest Factor	3:1										
Phase Displacement	120*+1*										
Transient Recovery	4% Under full load change and corrected within 60 milli Sec										
Audible Noise	Less than 60db at 1 Meter										
Meetering											
Microprocessor Based Digital LCD Meter for	R,Y,B Output Voltages, Output Currents & frequency, DC Voltage, Battery and Load Percentage										
Communication	SNMP(Optional)										
Protections											
	Output Overload & Short Circuit, Output Under & Overvoltage, DC Under & Overvoltage Input Under & Overvoltage, Single Phasing & Phase Unbalance										
Indications & Alarms											
a) Mains On	Indication										
b) Inverter On	Indication										
c) DC Low	Indication & Alarm										
d) Fault	Indication & Alarm										
e) Output Overload	Indication & Alarm										
Bypass Facility											
Static Bypass Switch (Optional)	Bi-Directional										
General											
Humidity	Max 95%, Non- condensing										
Operating Temperature	0°C to 40°C										
Diemensions(LXWXH) in mm	1050x350x950 1250x450x1200 1250x450x1200 800x750x2000 2000x750x2050										
Specifications are subject to change without prio notice due to constant improovement in design & technology Custom models available on request											