

PROTEC SDC Series



- **True Online Double Conversion**
To continuously monitor and regulating both voltage and frequency
- **Digital Signal Processing (DSP) Control**
To provide precision logic
- **Wide Input Voltage Window**
For harsh and severe power supply condition
- **Output Power Factor 0.9**
To provide full power capability to electronic or IT equipment that may have a wide range of leading and lagging power factors
- **Fan Speed Automatic Control Balance with Variable Load**
Maintaining operating temperature of the system
- **Automatic Frequency Sensing**
- **Automatic Charging on OFF Mode**
- **LCD Display for Easy Operations and Wide Set-up Menu**
- **Settable Automatic Start and ECO Mode**
- **USB & RJ45 Communication Port Optional Sockets available**



Specifications :

Model	SDC09	SDC27	SDC54	SDC90	SDC-RT18	SDC-RT27				
Capacity	900W/1KVA	2700W/3KVA	5400W/6KVA	9000W/10KVA	1800W/2KVA	2700W/3KVA				
Form Factor	Tower					Rackmount (Tower Convertible)				
Topology	Online Double Conversion									
Input										
Rated Voltage	208 / 220 / 230 / 240VAC	208 / 210 / 220 / 230 / 240VAC	208 / 210 / 220 / 230 / 240VAC	208 / 220 / 230 / 240VAC	208 / 220 / 230 / 240VAC	208 / 220 / 230 / 240VAC				
Voltage Range	110 - 300VAC (Derating 0 - 100% load)	• 110 - 300VAC (Half load) • 160 - 300VAC (Full load)	• 110 ~ 176 Vac (linear derating between 50% and 100% load) • 176 ~ 280 Vac (no derating) • 280 ~ 300 Vac (derating 50%)							
Frequency	40 - 70Hz			40 ~ 70 Hz (auto-sense)						
Power Factor	> 0.99			≥ 0.99						
Output										
Voltage Setting	208 / 220 / 230 / 240VAC									
Regulation	±1%									
Frequency	45-55Hz or 55-65Hz (Mains) ; 50 / 60Hz ±0.1Hz									
Waveform	Pure Sinewave				Sinusoidal					
Crest factor	3:1									
Harmonic	< 2% (Linear load) : < 5% (Non-linear load)				≤ 2% (Linear load) : ≤ 5% (Non-linear load)					
Transfer time	Mains mode to battery mode: 0 ms				Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)					
Overload	<ul style="list-style-type: none"> 105 - 125% : Transfer to bypass in 1min 125 - 150% : Transfer to bypass in 30s > 150% : Transfer to bypass in 300ms 				<ul style="list-style-type: none"> 110 ~ 176 Vac (linear derating between 50% and 100% load) 176 ~ 280 Vac (no derating) 280 ~ 300 Vac (derating 50%) 					
Efficiency										
Capacity	90%	92%	93%	91%	92%					
Form Factor	85%	87%	92%	86%	87%					
Topology	95%	97%	98%	96%	97%					
Batteries										
Internal	3 x 7AH	8 x 7AH	16 x 7AH	16 x 9AH	4 x 7AH	6 x 7AH				
Voltage	36VDC	96VDC	192VDC		48V	72V				
Recharge time	8 hours									
Others										
Communications	RS232, SNMP Slot				RS232, USB Port, SNMP Slot					
Operating temperature	0 - 40°C									
Relative humidity	0 - 90% (Non condensing)									
Noise Level	< 50 dB (1m)		< 58 dB (1m)		≤ 50 dB (1m)					
W x D x H (mm)	144 x 336 x 214	191 x 464 x 335	262 x 580 x 732		440 x 658 x 88					
Weight (kg)	9.5	32	73	74	22.73	29.26				



SDC Outlets



SDC-RT Outlets