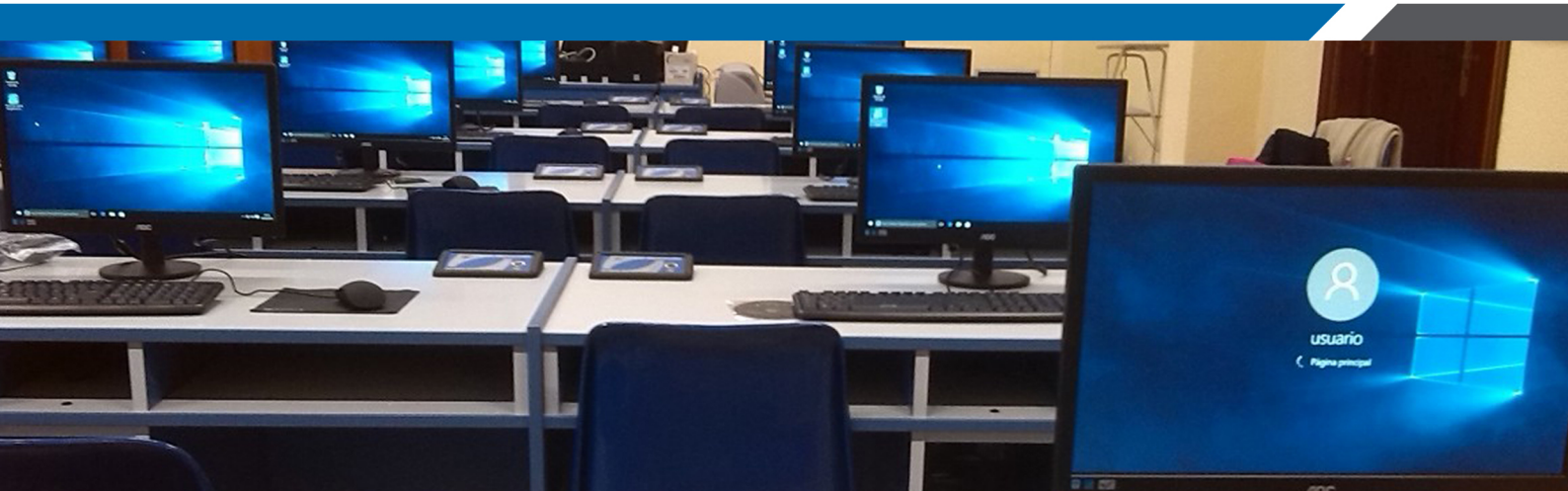


PROTEC SDC Series



- **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**





SDC Outlets



SDC-RT Outlets

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 / 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	• 105 - 125% : Transfer to bypass in 1min • 125 - 150% : Transfer to bypass in 30s • > 150% : Transfer to bypass in 300ms				• 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%)			
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	